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| Порядковый номер ссылки | Авторы, название публикации и источника, где она опубликована, выходные данные | ФИО, название публикации и источника на английском | Полный интернет-адрес (URL) цитируемой статьи или ее doi. |
| 1 | Красильников М.А.,Жуков Н.В. Сигнальный путь mTOR: новая мишень терапии опухолей. Современная онкология, 2010, Vol.№ 2, no 12, pp. 9-16 |  | https://modernonco.orscience.ru/1815-1434/article/view/26807 |
| 2 | Abedi H.,Zachary I. Vascular endothelial growth factor stimulates tyrosine phosphorylation and recruitment to new focal adhesions of focal adhesion kinase and paxillin in endothelial cells. J Biol Chem, 1997, Vol.272, no 24, pp. 15442-51. |  | 10.1074/jbc.272.24.15442 |
| 3 | Ahmed T., Ramonett A., Kwak E.A., Kumar S., Flores P.C., Ortiz H.R., Langlais P.R., Hund T.J., Mythreye K.,Lee N.Y. Endothelial tip/stalk cell selection requires BMP9-induced beta(IV)-spectrin expression during sprouting angiogenesis. Mol Biol Cell, 2023, Vol.34, no 7, pp. ar72. |  | 10.1091/mbc.E23-02-0064 |
| 4 | Aird W.C. Phenotypic heterogeneity of the endothelium: I. Structure, function, and mechanisms. Circ Res, 2007, Vol.100, no 2, pp. 158-73. |  | 10.1161/01.RES.0000255691.76142.4a |
| 5 | Albig A.R., Becenti D.J., Roy T.G.,Schiemann W.P. Microfibril-associate glycoprotein-2 (MAGP-2) promotes angiogenic cell sprouting by blocking notch signaling in endothelial cells. Microvasc Res, 2008, Vol.76, no 1, pp. 7-14. |  | 10.1016/j.mvr.2008.01.001 |
| 6 | Albig A.R., Roy T.G., Becenti D.J.,Schiemann W.P. Transcriptome analysis of endothelial cell gene expression induced by growth on matrigel matrices: identification and characterization of MAGP-2 and lumican as novel regulators of angiogenesis. Angiogenesis, 2007, Vol.10, no 3, pp. 197-216 |  | 10.1007/s10456-007-9075-z |
| 7 | Arsura M., Panta G.R., Bilyeu J.D., Cavin L.G., Sovak M.A., Oliver A.A., Factor V., Heuchel R., Mercurio F., Thorgeirsson S.S.,Sonenshein G.E. Transient activation of NF-kappaB through a TAK1/IKK kinase pathway by TGF-beta1 inhibits AP-1/SMAD signaling and apoptosis: implications in liver tumor formation. Oncogene, 2003, Vol.22, no 3, pp. 412-25 |  | 10.1038/sj.onc.1206132 |
| 8 | Asano Y., Ihn H., Yamane K., Jinnin M., Mimura Y.,Tamaki K. Phosphatidylinositol 3-kinase is involved in alpha2(I) collagen gene expression in normal and scleroderma fibroblasts. J Immunol, 2004, Vol.172, no 11, pp. 7123-35. |  | 10.4049/jimmunol.172.11.7123 |
| 9 | Ashkenazi A.,Salvesen G. Regulated cell death: signaling and mechanisms. Annu Rev Cell Dev Biol, 2014, Vol.30, no, pp. 337-56. |  | 10.1146/annurev-cellbio-10091013226 |
| 10 | Attisano L.,Wrana J.L. Smads as transcriptional co-modulators. Curr Opin Cell Biol, 2000, Vol.12, no 2, pp. 235-43. |  | 10.1016/s0955-0674(99)00081-2 |
| 11 | Autiero M., Waltenberger J., Communi D., Kranz A., Moons L., Lambrechts D., Kroll J., Plaisance S., De Mol M., Bono F., Kliche S., Fellbrich G., Ballmer-Hofer K., Maglione D., Mayr-Beyrle U., Dewerchin M., Dombrowski S., Stanimirovic D., Van Hummelen P., Dehio C., Hicklin D.J., Persico G., Herbert J.M., Communi D., Shibuya M., Collen D., Conway E.M.,Carmeliet P. Role of PlGF in the intra- and intermolecular cross talk between the VEGF receptors Flt1 and Flk1. Nat Med, 2003, Vol.9, no 7, pp. 936-43. |  | 10.1038/nm884 |
| 12 | Bachegowda L., Morrone K., Winski S.L., Mantzaris I., Bartenstein M., Ramachandra N., Giricz O., Sukrithan V., Nwankwo G., Shahnaz S., Bhagat T.D., Bhattacharyya S., Assal A., Shastri A., Gordon-Mitchell S., Pellagatti A., Boultwood J., Schinke C., Yu Y., Guha C., Rizzi J., Garrus J., Brown S., Wollenberg L., Hogeland G., Wright D., Munson M., Rodriguez M., Gross S., Chantry D., Zou Y., Platanias L.C., Burgess L.E., Pradhan K., Steidl U.,Verma A. Pexmetinib: A Novel Dual Inhibitor of Tie2 and p38 MAPK with Efficacy in Preclinical Models of Myelodysplastic Syndromes and Acute Myeloid Leukemia. Cancer Research, 2016, Vol.76, no 16, pp. 4841-4849. |  | 10.1158/0008-5472.Can-15-3062 |
| 13 | Bakin A.V., Tomlinson A.K., Bhowmick N.A., Moses H.L.,Arteaga C.L. Phosphatidylinositol 3-kinase function is required for transforming growth factor beta-mediated epithelial to mesenchymal transition and cell migration. J Biol Chem, 2000, Vol.275, no 47, pp. 36803-10. |  | 10.1074/jbc.M005912200 |
| 14 | Bauer K.S., Cude K.J., Dixon S.C., Kruger E.A.,Figg W.D. Carboxyamido-triazole inhibits angiogenesis by blocking the calcium-mediated nitric-oxide synthase-vascular endothelial growth factor pathway. J Pharmacol Exp Ther, 2000, Vol.292, no 1, pp. 31-7. |  | https://pubmed.ncbi.nlm.nih.gov/10604929/ |
| 15 | Bautch V.L.,Caron K.M. Blood and lymphatic vessel formation. Cold Spring Harb Perspect Biol, 2015, Vol.7, no 3, pp. a008268. |  | 10.1101/cshperspect.a008268 |
| 16 | Benedito R., Trindade A., Hirashima M., Henrique D., da Costa L.L., Rossant J., Gill P.S.,Duarte A. Loss of Notch signalling induced by Dll4 causes arterial calibre reduction by increasing endothelial cell response to angiogenic stimuli. BMC Dev Biol, 2008, Vol.8, no, pp. 117. |  | 10.1186/1471-213X-8-117 |
| 17 | Bentley K., Gerhardt H.,Bates P.A. Agent-based simulation of notch-mediated tip cell selection in angiogenic sprout initialisation. J Theor Biol, 2008, Vol.250, no 1, pp. 25-36. |  | 10.1016/j.jtbi.2007.09.015 |
| 18 | Bitzer M., von Gersdorff G., Liang D., Dominguez-Rosales A., Beg A.A., Rojkind M.,Bottinger E.P. A mechanism of suppression of TGF-beta/SMAD signaling by NF-kappa B/RelA. Genes Dev, 2000, Vol.14, no 2, pp. 187-97. |  | 10.1101/gad.14.2.187 |
| 19 | Blancas A.A., Wong L.E., Glaser D.E.,McCloskey K.E. Specialized tip/stalk-like and phalanx-like endothelial cells from embryonic stem cells. Stem Cells Dev, 2013, Vol.22, no 9, pp. 1398-407. |  | 10.1089/scd.2012.0376 |
| 20 | Blokzijl A., Dahlqvist C., Reissmann E., Falk A., Moliner A., Lendahl U.,Ibanez C.F. Cross-talk between the Notch and TGF-beta signaling pathways mediated by interaction of the Notch intracellular domain with Smad3. J Cell Biol, 2003, Vol.163, no 4, pp. 723-8. |  | 10.1083/jcb.200305112 |
| 21 | Brandl M., Seidler B., Haller F., Adamski J., Schmid R.M., Saur D.,Schneider G. IKK(alpha) controls canonical TGF(ss)-SMAD signaling to regulate genes expressing SNAIL and SLUG during EMT in panc1 cells. J Cell Sci, 2010, Vol.123, no Pt 24, pp. 4231-9. |  | 10.1242/jcs.071100 |
| 22 | Bright J.J.,Sriram S. TGF-beta inhibits IL-12-induced activation of Jak-STAT pathway in T lymphocytes. J Immunol, 1998, Vol.161, no 4, pp. 1772-7. |  | https://pubmed.ncbi.nlm.nih.gov/9712043/ |
| 23 | Bucher F., Lee J., Shin S., Kim M.S., Oh Y.S., Ha S., Zhang H.,Yea K. Interleukin-5 suppresses Vascular Endothelial Growth Factor-induced angiogenesis through STAT5 signaling. Cytokine, 2018, Vol.110, no, pp. 397-403. |  | 10.1016/j.cyto.2018.06.021 |
| 24 | Burkard M.E., McKean M., Rodon Ahnert J., Mettu N.B., Jones J.C., Misleh J.G., Ma W.W., Lim K.-H., Chiorean E.G., Pishvaian M.J., Gadgeel S.M., McKean H.A., Kreider B., Knoerzer D., Groover A., Varterasian M.L., Box J.A., Emery C.,Sullivan R.J. A two-part, phase II, multi-center study of the ERK inhibitor ulixertinib (BVD-523) for patients with advanced malignancies harboring MEK or atypical BRAF alterations (BVD-523-ABC). Journal of Clinical Oncology, 2022, Vol.40, no 16\_suppl, pp. TPS3172-TPS3172. |  | 10.1200/JCO.2022.40.16\_suppl.TPS3172 |
| 25 | Cao Z., Xiong J., Takeuchi M., Kurama T.,Goeddel D.V. TRAF6 is a signal transducer for interleukin-1. Nature, 1996, Vol.383, no 6599, pp. 443-6. |  | 10.1038/383443a0 |
| 26 | Carmeliet P. Angiogenesis in health and disease. Nat Med, 2003, Vol.9, no 6, pp. 653-60. |  | 10.1038/nm0603-653 |
| 27 | Carmeliet P.,Jain R.K. Molecular mechanisms and clinical applications of angiogenesis. Nature, 2011, Vol.473, no 7347, pp. 298-307 |  | 10.1038/nature10144 |
| 28 | Charnock-Jones D.S., Kaufmann P.,Mayhew T.M. Aspects of human fetoplacental vasculogenesis and angiogenesis. I. Molecular regulation. Placenta, 2004, Vol.25, no 2-3, pp. 103-13. |  | 10.1016/j.placenta.2003.10.004 |
| 29 | Chen J.X., Chen Y., DeBusk L., Lin W.,Lin P.C. Dual functional roles of Tie-2/angiopoietin in TNF-alpha-mediated angiogenesis. Am J Physiol Heart Circ Physiol, 2004, Vol.287, no 1, pp. H187-95. |  | 10.1152/ajpheart.01058.2003 |
| 30 | Chen X., Xu H., Yuan P., Fang F., Huss M., Vega V.B., Wong E., Orlov Y.L., Zhang W., Jiang J., Loh Y.H., Yeo H.C., Yeo Z.X., Narang V., Govindarajan K.R., Leong B., Shahab A., Ruan Y., Bourque G., Sung W.K., Clarke N.D., Wei C.L.,Ng H.H. Integration of external signaling pathways with the core transcriptional network in embryonic stem cells. Cell, 2008, Vol.133, no 6, pp. 1106-17. |  | 10.1016/j.cell.2008.04.043 |
| 31 | Cheng Y., Wang Q., Li K., Shi J., Liu Y., Wu L., Han B., Chen G., He J., Wang J., Lou D., Yu H., Wang S., Qin H.,Li X. Anlotinib vs placebo as third- or further-line treatment for patients with small cell lung cancer: a randomised, double-blind, placebo-controlled Phase 2 study. British Journal of Cancer, 2021, Vol.125, no 3, pp. 366-371. |  | 10.1038/s41416-021-01356-3 |
| 32 | Cocolakis E., Dai M., Drevet L., Ho J., Haines E., Ali S.,Lebrun J.J. Smad signaling antagonizes STAT5-mediated gene transcription and mammary epithelial cell differentiation. J Biol Chem, 2008, Vol.283, no 3, pp. 1293-1307. |  | 10.1074/jbc.M707492200 |
| 33 | Conery A.R., Cao Y., Thompson E.A., Townsend C.M., Jr., Ko T.C.,Luo K. Akt interacts directly with Smad3 to regulate the sensitivity to TGF-beta induced apoptosis. Nat Cell Biol, 2004, Vol.6, no 4, pp. 366-72. 10.1038/ncb1117 |  | 10.1038/ncb1117 |
| 34 | Connolly J.O., Simpson N., Hewlett L., Hall A.,Mostov K. Rac Regulates Endothelial Morphogenesis and Capillary Assembly. Molecular Biology of the Cell, 2002, Vol.13, no 7, pp. 2474-2485. |  | 10.1091/mbc.e02-01-0006 |
| 35 | Cortes J., Talpaz M., Smith H.P., Snyder D.S., Khoury J., Bhalla K.N., Pinilla-Ibarz J., Larson R., Mitchell D., Wise S.C., Rutkoski T.J., Smith B.D., Flynn D.L., Kantarjian H.M., Rosen O.,Van Etten R.A. Phase 1 dose-finding study of rebastinib (DCC-2036) in patients with relapsed chronic myeloid leukemia and acute myeloid leukemia. Haematologica, 2017, Vol.102, no 3, pp. 519-528. |  | 10.3324/haematol.2016.152710 |
| 36 | Cross M.J., Hodgkin M.N., Roberts S., Landgren E., Wakelam M.J.,Claesson-Welsh L. Tyrosine 766 in the fibroblast growth factor receptor-1 is required for FGF-stimulation of phospholipase C, phospholipase D, phospholipase A(2), phosphoinositide 3-kinase and cytoskeletal reorganisation in porcine aortic endothelial cells. J Cell Sci, 2000, Vol.113 ( Pt 4), no, pp. 643-51. |  | 10.1242/jcs.113.4.643 |
| 37 | Crowner D., Le Gall M., Gates M.A.,Giniger E. Notch steers Drosophila ISNb motor axons by regulating the Abl signaling pathway. Curr Biol, 2003, Vol.13, no 11, pp. 967-72. |  | 10.1016/s0960-9822(03)00325-7 |
| 38 | D'Amore P.A. Mechanisms of retinal and choroidal neovascularization. Invest Ophthalmol Vis Sci, 1994, Vol.35, no 12, pp. 3974-9. |  | https://pubmed.ncbi.nlm.nih.gov/7525506/ |
| 39 | DeBusk L.M., Hallahan D.E.,Lin P.C. Akt is a major angiogenic mediator downstream of the Ang1/Tie2 signaling pathway. Exp Cell Res, 2004, Vol.298, no 1, pp. 167-77. |  | 10.1016/j.yexcr.2004.04.013 |
| 40 | Dejana E. Endothelial cell-cell junctions: happy together. Nat Rev Mol Cell Biol, 2004, Vol.5, no 4, pp. 261-70. |  | 10.1038/nrm1357 |
| 41 | Descargues P., Sil A.K., Sano Y., Korchynskyi O., Han G., Owens P., Wang X.J.,Karin M. IKKalpha is a critical coregulator of a Smad4-independent TGFbeta-Smad2/3 signaling pathway that controls keratinocyte differentiation. Proc Natl Acad Sci U S A, 2008, Vol.105, no 7, pp. 2487-92. |  | 10.1073/pnas.0712044105 |
| 42 | Dimmeler S., Fleming I., Fisslthaler B., Hermann C., Busse R.,Zeiher A.M. Activation of nitric oxide synthase in endothelial cells by Akt-dependent phosphorylation. Nature, 1999, Vol.399, no 6736, pp. 601-5. |  | 10.1038/21224 |
| 43 | Dissen G.A., Lara H.E., Fahrenbach W.H., Costa M.E.,Ojeda S.R. Immature rat ovaries become revascularized rapidly after autotransplantation and show a gonadotropin-dependent increase in angiogenic factor gene expression. Endocrinology, 1994, Vol.134, no 3, pp. 1146-54. |  | 10.1210/endo.134.3.8119153 |
| 44 | Dixelius J., Makinen T., Wirzenius M., Karkkainen M.J., Wernstedt C., Alitalo K.,Claesson-Welsh L. Ligand-induced vascular endothelial growth factor receptor-3 (VEGFR-3) heterodimerization with VEGFR-2 in primary lymphatic endothelial cells regulates tyrosine phosphorylation sites. J Biol Chem, 2003, Vol.278, no 42, pp. 40973-9. |  | 10.1074/jbc.M304499200 |
| 45 | Djonov V., Schmid M., Tschanz S.A.,Burri P.H. Intussusceptive angiogenesis: its role in embryonic vascular network formation. Circ Res, 2000, Vol.86, no 3, pp. 286-92. |  | 10.1161/01.res.86.3.286 |
| 46 | Dou G.R., Wang Y.C., Hu X.B., Hou L.H., Wang C.M., Xu J.F., Wang Y.S., Liang Y.M., Yao L.B., Yang A.G.,Han H. RBP-J, the transcription factor downstream of Notch receptors, is essential for the maintenance of vascular homeostasis in adult mice. FASEB J, 2008, Vol.22, no 5, pp. 1606-17 |  | 10.1096/fj.07-9998com |
| 47 | Edlund S., Bu S., Schuster N., Aspenstrom P., Heuchel R., Heldin N.E., ten Dijke P., Heldin C.H.,Landstrom M. Transforming growth factor-beta1 (TGF-beta)-induced apoptosis of prostate cancer cells involves Smad7-dependent activation of p38 by TGF-beta-activated kinase 1 and mitogen-activated protein kinase kinase 3. Mol Biol Cell, 2003, Vol.14, no 2, pp. 529-44. |  | 10.1091/mbc.02-03-0037 |
| 48 | Faehling M., Kroll J., Fohr K.J., Fellbrich G., Mayr U., Trischler G.,Waltenberger J. Essential role of calcium in vascular endothelial growth factor A-induced signaling: mechanism of the antiangiogenic effect of carboxyamidotriazole. FASEB J, 2002, Vol.16, no 13, pp. 1805-7. |  | 10.1096/fj.01-0938fje |
| 49 | Fernandez-Chacon M., Garcia-Gonzalez I., Muhleder S.,Benedito R. Role of Notch in endothelial biology. Angiogenesis, 2021, Vol.24, no 2, pp. 237-250. |  | 10.1007/s10456-021-09793-7 |
| 50 | Frederick J.P., Liberati N.T., Waddell D.S., Shi Y.,Wang X.F. Transforming growth factor beta-mediated transcriptional repression of c-myc is dependent on direct binding of Smad3 to a novel repressive Smad binding element. Mol Cell Biol, 2004, Vol.24, no 6, pp. 2546-59. |  | 10.1128/MCB.24.6.2546-2559.2004 |
| 51 | Freudlsperger C., Bian Y., Contag Wise S., Burnett J., Coupar J., Yang X., Chen Z.,Van Waes C. TGF-beta and NF-kappaB signal pathway cross-talk is mediated through TAK1 and SMAD7 in a subset of head and neck cancers. Oncogene, 2013, Vol.32, no 12, pp. 1549-59. |  | 10.1038/onc.2012.171 |
| 52 | Fukuda S., Foster R.G., Porter S.B.,Pelus L.M. The antiapoptosis protein survivin is associated with cell cycle entry of normal cord blood CD34(+) cells and modulates cell cycle and proliferation of mouse hematopoietic progenitor cells. Blood, 2002, Vol.100, no 7, pp. 2463-71. |  | 10.1182/blood.V100.7.2463 |
| 53 | Fukushi J., Morisaki T., Shono T., Nishie A., Torisu H., Ono M.,Kuwano M. Novel biological functions of interleukin-4: formation of tube-like structures by vascular endothelial cells in vitro and angiogenesis in vivo. Biochem Biophys Res Commun, 1998, Vol.250, no 2, pp. 444-8. |  | 10.1006/bbrc.1998.9334 |
| 54 | Galliher A.J.,Schiemann W.P. Src phosphorylates Tyr284 in TGF-beta type II receptor and regulates TGF-beta stimulation of p38 MAPK during breast cancer cell proliferation and invasion. Cancer Res, 2007, Vol.67, no 8, pp. 3752-8. |  | 10.1158/0008-5472.CAN-06-3851 |
| 55 | Gavard J.,Gutkind J.S. VEGF controls endothelial-cell permeability by promoting the beta-arrestin-dependent endocytosis of VE-cadherin. Nat Cell Biol, 2006, Vol.8, no 11, pp. 1223-34. |  | 10.1038/ncb1486 |
| 56 | Ghosh-Choudhury N., Abboud S.L., Nishimura R., Celeste A., Mahimainathan L.,Choudhury G.G. Requirement of BMP-2-induced phosphatidylinositol 3-kinase and Akt serine/threonine kinase in osteoblast differentiation and Smad-dependent BMP-2 gene transcription. J Biol Chem, 2002, Vol.277, no 36, pp. 33361-8. |  | 10.1074/jbc.M205053200 |
| 57 | Gibson M.A., Leavesley D.I.,Ashman L.K. Microfibril-associated glycoprotein-2 specifically interacts with a range of bovine and human cell types via alphaVbeta3 integrin. J Biol Chem, 1999, Vol.274, no 19, pp. 13060-5. |  | 10.1074/jbc.274.19.13060 |
| 58 | Gingery A., Bradley E.W., Pederson L., Ruan M., Horwood N.J.,Oursler M.J. TGF-beta coordinately activates TAK1/MEK/AKT/NFkB and SMAD pathways to promote osteoclast survival. Exp Cell Res, 2008, Vol.314, no 15, pp. 2725-38. |  | 10.1016/j.yexcr.2008.06.006 |
| 59 | Goumans M.J., Liu Z.,ten Dijke P. TGF-beta signaling in vascular biology and dysfunction. Cell Res, 2009, Vol.19, no 1, pp. 116-27. |  | 10.1038/cr.2008.326 |
| 60 | Goumans M.J., Valdimarsdottir G., Itoh S., Lebrin F., Larsson J., Mummery C., Karlsson S.,ten Dijke P. Activin receptor-like kinase (ALK)1 is an antagonistic mediator of lateral TGFbeta/ALK5 signaling. Mol Cell, 2003, Vol.12, no 4, pp. 817-28. |  | 10.1016/s1097-2765(03)00386-1 |
| 61 | Goumans M.J., Valdimarsdottir G., Itoh S., Rosendahl A., Sideras P.,ten Dijke P. Balancing the activation state of the endothelium via two distinct TGF-beta type I receptors. EMBO J, 2002, Vol.21, no 7, pp. 1743-53. |  | 10.1093/emboj/21.7.1743 |
| 62 | Gray P.C., Shani G., Aung K., Kelber J.,Vale W. Cripto binds transforming growth factor beta (TGF-beta) and inhibits TGF-beta signaling. Mol Cell Biol, 2006, Vol.26, no 24, pp. 9268-78. |  | 10.1128/MCB.01168-06 |
| 63 | Grazia Lampugnani M., Zanetti A., Corada M., Takahashi T., Balconi G., Breviario F., Orsenigo F., Cattelino A., Kemler R., Daniel T.O.,Dejana E. Contact inhibition of VEGF-induced proliferation requires vascular endothelial cadherin, beta-catenin, and the phosphatase DEP-1/CD148. J Cell Biol, 2003, Vol.161, no 4, pp. 793-804. |  | 10.1083/jcb.200209019 |
| 64 | Grivas P., Daneshmand S., Makarov V., Bellmunt J., Sridhar S.S., Sonpavde G.P., Cole S., Tripathi A., Faltas B.M., Lerner S.P., Fleming M.T., Loriot Y., Meeks J.J., Master V.A., Davis K., Van Veenhuyzen D.F., Afifi S., Pal S.K.,Gupta S. Fibroblast growth factor receptor 3 (FGFR3) alterations in PROOF 302: A phase III trial of infigratinib (BGJ398) as adjuvant therapy in patients (pts) with invasive urothelial carcinoma (UC). Journal of Clinical Oncology, 2023, Vol.41, no 16\_suppl, pp. 4511-4511. |  | 10.1200/JCO.2023.41.16\_suppl.4511 |
| 65 | Gu K., Fu X., Tian H., Zhang Y., Li A., Wang Y., Wen Y.,Gu W. TAZ promotes the proliferation and osteogenic differentiation of human periodontal ligament stem cells via the p‐SMAD3. Journal of Cellular Biochemistry, 2019, Vol.121, no 2, pp. 1101-1113. |  | 10.1002/jcb.29346 |
| 66 | Guba M., von Breitenbuch P., Steinbauer M., Koehl G., Flegel S., Hornung M., Bruns C.J., Zuelke C., Farkas S., Anthuber M., Jauch K.W.,Geissler E.K. Rapamycin inhibits primary and metastatic tumor growth by antiangiogenesis: involvement of vascular endothelial growth factor. Nat Med, 2002, Vol.8, no 2, pp. 128-35. |  | 10.1038/nm0202-128 |
| 67 | Guney Eskiler G.,Ozturk M. Therapeutic potential of the PI3K inhibitor LY294002 and PARP inhibitor Talazoparib combination in BRCA-deficient triple negative breast cancer cells. Cellular Signalling, 2022, Vol.91, no |  | 10.1016/j.cellsig.2021.110229 |
| 68 | Guo Y.J., Pan W.W., Liu S.B., Shen Z.F., Xu Y.,Hu L.L. ERK/MAPK signalling pathway and tumorigenesis. Exp Ther Med, 2020, Vol.19, no 3, pp. 1997-2007. |  | 10.3892/etm.2020.8454 |
| 69 | Han B., Li K., Wang Q., Zhang L., Shi J., Wang Z., Cheng Y., He J., Shi Y., Zhao Y., Yu H., Zhao Y., Chen W., Luo Y., Wu L., Wang X., Pirker R., Nan K., Jin F., Dong J., Li B.,Sun Y. Effect of Anlotinib as a Third-Line or Further Treatment on Overall Survival of Patients With Advanced Non–Small Cell Lung Cancer. JAMA Oncology, 2018, Vol.4, no 11. |  | 10.1001/jamaoncol.2018.3039 |
| 70 | Harrington L.S., Sainson R.C., Williams C.K., Taylor J.M., Shi W., Li J.L.,Harris A.L. Regulation of multiple angiogenic pathways by Dll4 and Notch in human umbilical vein endothelial cells. Microvasc Res, 2008, Vol.75, no 2, pp. 144-54. |  | 10.1016/j.mvr.2007.06.006 |
| 71 | Hartman G.D., Fraley M.E.,Bilodeau M.T. Kinase insert domain-containing receptor kinase inhibitors as anti-angiogenic agents. Expert Opin Investig Drugs, 2002, Vol.11, no 6, pp. 737-45. |  | 10.1517/13543784.11.6.737 |
| 72 | Hayashi H.,Kume T. Foxc transcription factors directly regulate Dll4 and Hey2 expression by interacting with the VEGF-Notch signaling pathways in endothelial cells. PLoS One, 2008, Vol.3, no 6, pp. e2401. |  | 10.1371/journal.pone.0002401 |
| 73 | Hellstrom M., Phng L.K., Hofmann J.J., Wallgard E., Coultas L., Lindblom P., Alva J., Nilsson A.K., Karlsson L., Gaiano N., Yoon K., Rossant J., Iruela-Arispe M.L., Kalen M., Gerhardt H.,Betsholtz C. Dll4 signalling through Notch1 regulates formation of tip cells during angiogenesis. Nature, 2007, Vol.445, no 7129, pp. 776-80. |  | 10.1038/nature05571 |
| 74 | Hendrikse C.S.E., Theelen P.M.M., van der Ploeg P., Westgeest H.M., Boere I.A., Thijs A.M.J., Ottevanger P.B., van de Stolpe A., Lambrechts S., Bekkers R.L.M.,Piek J.M.J. The potential of RAS/RAF/MEK/ERK (MAPK) signaling pathway inhibitors in ovarian cancer: A systematic review and meta-analysis. Gynecol Oncol, 2023, Vol.171, no, pp. 83-94. |  | 10.1016/j.ygyno.2023.01.038 |
| 75 | Herbert S.P.,Stainier D.Y. Molecular control of endothelial cell behaviour during blood vessel morphogenesis. Nat Rev Mol Cell Biol, 2011, Vol.12, no 9, pp. 551-64. |  | 10.1038/nrm3176 |
| 76 | Hermann C., Assmus B., Urbich C., Zeiher A.M.,Dimmeler S. Insulin-mediated stimulation of protein kinase Akt: A potent survival signaling cascade for endothelial cells. Arterioscler Thromb Vasc Biol, 2000, Vol.20, no 2, pp. 402-9. |  | 10.1161/01.atv.20.2.402 |
| 77 | Hinz M.,Scheidereit C. The IkappaB kinase complex in NF-kappaB regulation and beyond. EMBO Rep, 2014, Vol.15, no 1, pp. 46-61. |  | 10.1002/embr.201337983 |
| 78 | Hodkinson P.S., Elliott P.A., Lad Y., McHugh B.J., MacKinnon A.C., Haslett C.,Sethi T. Mammalian NOTCH-1 activates beta1 integrins via the small GTPase R-Ras. J Biol Chem, 2007, Vol.282, no 39, pp. 28991-29001. |  | 10.1074/jbc.M703601200 |
| 79 | Hofer E.,Schweighofer B. Signal transduction induced in endothelial cells by growth factor receptors involved in angiogenesis. Thromb Haemost, 2007, Vol.97, no 3, pp. 355-63. |  | https://pubmed.ncbi.nlm.nih.gov/17334501/ |
| 80 | Holderfield M.T., Henderson Anderson A.M., Kokubo H., Chin M.T., Johnson R.L.,Hughes C.C. HESR1/CHF2 suppresses VEGFR2 transcription independent of binding to E-boxes. Biochem Biophys Res Commun, 2006, Vol.346, no 3, pp. 637-48. |  | 10.1016/j.bbrc.2006.05.177 |
| 81 | Holmqvist K., Cross M.J., Rolny C., Hagerkvist R., Rahimi N., Matsumoto T., Claesson-Welsh L.,Welsh M. The adaptor protein shb binds to tyrosine 1175 in vascular endothelial growth factor (VEGF) receptor-2 and regulates VEGF-dependent cellular migration. J Biol Chem, 2004, Vol.279, no 21, pp. 22267-75. |  | 10.1074/jbc.M312729200 |
| 82 | Hong C.C., Peterson Q.P., Hong J.Y.,Peterson R.T. Artery/vein specification is governed by opposing phosphatidylinositol-3 kinase and MAP kinase/ERK signaling. Curr Biol, 2006, Vol.16, no 13, pp. 1366-72. |  | 10.1016/j.cub.2006.05.046 |
| 83 | Hong Y.K.,Detmar M. Prox1, master regulator of the lymphatic vasculature phenotype. Cell Tissue Res, 2003, Vol.314, no 1, pp. 85-92. |  | 10.1007/s00441-003-0747-8 |
| 84 | Hu L., Li K., Lin L., Qian F., Li P., Zhu L., Cai H., You L., Song J., Kok S.H.L., Lee K.K.H., Yang X.,Cheng X. Reversine suppresses osteosarcoma cell growth through targeting BMP-Smad1/5/8-mediated angiogenesis. Microvasc Res, 2021, Vol.135, no, pp. 104136. |  | 10.1016/j.mvr.2021.104136 |
| 85 | Hu X., Xu Q., Wan H., Hu Y., Xing S., Yang H., Gao Y.,He Z. PI3K-Akt-mTOR/PFKFB3 pathway mediated lung fibroblast aerobic glycolysis and collagen synthesis in lipopolysaccharide-induced pulmonary fibrosis. Lab Invest, 2020, Vol.100, no 6, pp. 801-811. |  | 10.1038/s41374-020-0404-9 |
| 86 | Huang F.,Chen Y.G. Regulation of TGF-beta receptor activity. Cell Biosci, 2012, Vol.2, no, pp. 9. |  | 10.1186/2045-3701-2-9 |
| 87 | Huang J., Xiao J., Fang W., Lu P., Fan Q., Shu Y., Feng J., Zhang S., Ba Y., Zhao Y., Liu Y., Bai C., Bai Y., Tang Y., Song Y.,He J. Anlotinib for previously treated advanced or metastatic esophageal squamous cell carcinoma: A double‐blind randomized phase 2 trial. Cancer Medicine, 2021, Vol.10, no 5, pp. 1681-1689. |  | 10.1002/cam4.3771 |
| 88 | Impagnatiello M.-A., Weitzer S., Gannon G., Compagni A., Cotten M.,Christofori G. Mammalian Sprouty-1 and -2 Are Membrane-Anchored Phosphoprotein Inhibitors of Growth Factor Signaling in Endothelial Cells. The Journal of Cell Biology, 2001, Vol.152, no 5, pp. 1087-1098. |  | 10.1083/jcb.152.5.1087 |
| 89 | Ishitani T., Matsumoto K., Chitnis A.B.,Itoh M. Nrarp functions to modulate neural-crest-cell differentiation by regulating LEF1 protein stability. Nat Cell Biol, 2005, Vol.7, no 11, pp. 1106-12. |  | 10.1038/ncb1311 |
| 90 | ahchan N.S., Wang D., Bissell M.J.,Luo K. SnoN regulates mammary gland alveologenesis and onset of lactation by promoting prolactin/Stat5 signaling. Development, 2012, Vol.139, no 17, pp. 3147-56. |  | 10.1242/dev.079616 |
| 91 | Jakobsson L., Franco C.A., Bentley K., Collins R.T., Ponsioen B., Aspalter I.M., Rosewell I., Busse M., Thurston G., Medvinsky A., Schulte-Merker S.,Gerhardt H. Endothelial cells dynamically compete for the tip cell position during angiogenic sprouting. Nat Cell Biol, 2010, Vol.12, no 10, pp. 943-53. |  | 10.1038/ncb2103 |
| 92 | Janku F., Birrer M., Richardson D., Chu C., Goel S., Su Y., Matin B., Kuida K., Ruiz-Soto R.,Hamilton E.P. Abstract B055: Phase 1b/2 study of rebastinib (DCC-2036) in combination with paclitaxel: Preliminary safety, efficacy, pharmacokinetics and pharmacodynamics in patients with advanced or metastatic solid tumors. Molecular Cancer Therapeutics, 2019, Vol.18, no 12\_Supplement, pp. B055-B055. |  | 10.1158/1535-7163.Targ-19-b055 |
| 93 | Javle M., Kelley R.K., Roychowdhury S., Weiss K.H., Abou-Alfa G.K., Macarulla T., Sadeghi S., Waldschmidt D., Zhu A.X., Goyal L., Borad M., Yong W.P., Borbath I., El-Khoueiry A., Philip P., Moran S., Ye Y., Ising M., Lewis N.,Bekaii-Saab T. Updated results from a phase II study of infigratinib (BGJ398), a selective pan-FGFR kinase inhibitor, in patients with previously treated advanced cholangiocarcinoma containing FGFR2 fusions. Annals of Oncology, 2018, Vol.29, no. |  | 10.1093/annonc/mdy424.030 |
| 94 | Jeong H.W.,Kim I.S. TGF-beta1 enhances betaig-h3-mediated keratinocyte cell migration through the alpha3beta1 integrin and PI3K. J Cell Biochem, 2004, Vol.92, no 4, pp. 770-80. |  | 10.1002/jcb.20110 |
| 95 | Jiang B.H.,Liu L.Z. Role of mTOR in anticancer drug resistance: perspectives for improved drug treatment. Drug Resist Updat, 2008, Vol.11, no 3, pp. 63-76. |  | 10.1016/j.drup.2008.03.001 |
| 96 | Jie Z., Wang S., Ma Q., Shen Y., Zhao X., Yu H., Xie Z.,Jiang C. Pexmetinib suppresses osteoclast formation and breast cancer induced osteolysis via P38/STAT3 signal pathway. Journal of Bone Oncology, 2022, Vol.35, no. |  | 10.1016/j.jbo.2022.100439 |
| 97 | Jimenez-Uribe A.P., Gomez-Sierra T., Aparicio-Trejo O.E., Orozco-Ibarra M.,Pedraza-Chaverri J. Backstage players of fibrosis: NOX4, mTOR, HDAC, and S1P; companions of TGF-beta. Cell Signal, 2021, Vol.87, no, pp. 110123. |  | 10.1016/j.cellsig.2021.110123 |
| 98 | Jin G., Wang L.,Ma J. Inhibiting STAT5 significantly attenuated Ang II-induced cardiac dysfunction and inflammation. European Journal of Pharmacology, 2022, Vol.915, no. |  | 10.1016/j.ejphar.2021.174689 |
| 99 | Jin Y., Kaluza D.,Jakobsson L. VEGF, Notch and TGFbeta/BMPs in regulation of sprouting angiogenesis and vascular patterning. Biochem Soc Trans, 2014, Vol.42, no 6, pp. 1576-83. |  | 10.1042/BST20140231 |
| 100 | Johnson K.E.,Wilgus T.A. Vascular Endothelial Growth Factor and Angiogenesis in the Regulation of Cutaneous Wound Repair. Adv Wound Care (New Rochelle), 2014, Vol.3, no 10, pp. 647-661. |  | 10.1089/wound.2013.0517 |
| 101 | Jones N., Chen S.H., Sturk C., Master Z., Tran J., Kerbel R.S.,Dumont D.J. A unique autophosphorylation site on Tie2/Tek mediates Dok-R phosphotyrosine binding domain binding and function. Mol Cell Biol, 2003, Vol.23, no 8, pp. 2658-68. |  | 10.1128/MCB.23.8.2658-2668.2003 |
| 102 | Jung S.M., Lee J.H., Park J., Oh Y.S., Lee S.K., Park J.S., Lee Y.S., Kim J.H., Lee J.Y., Bae Y.S., Koo S.H., Kim S.J.,Park S.H. Smad6 inhibits non-canonical TGF-beta1 signalling by recruiting the deubiquitinase A20 to TRAF6. Nat Commun, 2013, Vol.4, no, pp. 2562. |  | 10.1038/ncomms3562 |
| 103 | Kaibuchi K., Kuroda S.,Amano M. Regulation of the cytoskeleton and cell adhesion by the Rho family GTPases in mammalian cells. Annu Rev Biochem, 1999, Vol.68, no, pp. 459-86. |  | 10.1146/annurev.biochem.68.1.459 |
| 104 | Kaley T.J., Panageas K.S., Mellinghoff I.K., Nolan C., Gavrilovic I.T., DeAngelis L.M., Abrey L.E., Holland E.C.,Lassman A.B. Phase II trial of an AKT inhibitor (perifosine) for recurrent glioblastoma. Journal of Neuro-Oncology, 2019, Vol.144, no 2, pp. 403-407. |  | 10.1007/s11060-019-03243-7 |
| 105 | Kaley T.J., Panageas K.S., Pentsova E.I., Mellinghoff I.K., Nolan C., Gavrilovic I., DeAngelis L.M., Abrey L.E., Holland E.C., Omuro A., Lacouture M.E., Ludwig E.,Lassman A.B. Phase I clinical trial of temsirolimus and perifosine for recurrent glioblastoma. Annals of Clinical and Translational Neurology, 2020, Vol.7, no 4, pp. 429-436. |  | 10.1002/acn3.51009 |
| 106 | Kelley R.K., Gane E., Assenat E., Siebler J., Galle P.R., Merle P., Hourmand I.O., Cleverly A., Zhao Y., Gueorguieva I., Lahn M., Faivre S., Benhadji K.A.,Giannelli G. A Phase 2 Study of Galunisertib (TGF-β1 Receptor Type I Inhibitor) and Sorafenib in Patients With Advanced Hepatocellular Carcinoma. Clinical and Translational Gastroenterology, 2019, Vol.10, no 7. |  | 10.14309/ctg.0000000000000056 |
| 107 | Kim S.W., Yoon S.J., Chuong E., Oyolu C., Wills A.E., Gupta R.,Baker J. Chromatin and transcriptional signatures for Nodal signaling during endoderm formation in hESCs. Dev Biol, 2011, Vol.357, no 2, pp. 492-504. |  | 10.1016/j.ydbio.2011.06.009 |
| 108 | Kim Y.H., Hu H., Guevara-Gallardo S., Lam M.T., Fong S.Y.,Wang R.A. Artery and vein size is balanced by Notch and ephrin B2/EphB4 during angiogenesis. Development, 2008, Vol.135, no 22, pp. 3755-64. |  | 10.1242/dev.022475 |
| 109 | Klein S., de Fougerolles A.R., Blaikie P., Khan L., Pepe A., Green C.D., Koteliansky V.,Giancotti F.G. Alpha 5 beta 1 integrin activates an NF-kappa B-dependent program of gene expression important for angiogenesis and inflammation. Mol Cell Biol, 2002, Vol.22, no 16, pp. 5912-22. |  | 10.1128/MCB.22.16.5912-5922.2002 |
| 110 | Kobayashi H., Suzuki M., Kanayama N., Nishida T., Takigawa M.,Terao T. CD44 stimulation by fragmented hyaluronic acid induces upregulation of urokinase-type plasminogen activator and its receptor and subsequently facilitates invasion of human chondrosarcoma cells. Int J Cancer, 2002, Vol.102, no 4, pp. 379-89. |  | 10.1002/ijc.10710 |
| 111 | Kon A., Vindevoghel L., Kouba D.J., Fujimura Y., Uitto J.,Mauviel A. Cooperation between SMAD and NF-kappaB in growth factor regulated type VII collagen gene expression. Oncogene, 1999, Vol.18, no 10, pp. 1837-44. |  | 10.1038/sj.onc.1202495 |
| 112 | Kopczynski M., Rumienczyk I., Kulecka M., Statkiewicz M., Pysniak K., Sandowska-Markiewicz Z., Wojcik-Trechcinska U., Goryca K., Pyziak K., Majewska E., Masiejczyk M., Wojcik-Jaszczynska K., Rzymski T., Bomsztyk K., Ostrowski J.,Mikula M. Selective Extracellular Signal-Regulated Kinase 1/2 (ERK1/2) Inhibition by the SCH772984 Compound Attenuates In Vitro and In Vivo Inflammatory Responses and Prolongs Survival in Murine Sepsis Models. International Journal of Molecular Sciences, 2021, Vol.22, no 19. |  | 10.3390/ijms221910204 |
| 113 | Kouklis P., Konstantoulaki M., Vogel S., Broman M.,Malik A.B. Cdc42 regulates the restoration of endothelial barrier function. Circ Res, 2004, Vol.94, no 2, pp. 159-66. |  | 10.1161/01.RES.0000110418.38500.31 |
| 114 | Kretschmer M., Rudiger D.,Zahler S. Mechanical Aspects of Angiogenesis. Cancers (Basel), 2021, Vol.13, no 19. |  | 10.3390/cancers13194987 |
| 115 | Kretzschmar M., Doody J.,Massague J. Opposing BMP and EGF signalling pathways converge on the TGF-beta family mediator Smad1. Nature, 1997, Vol.389, no 6651, pp. 618-22. |  | 10.1038/39348 |
| 116 | Kudo F.A., Muto A., Maloney S.P., Pimiento J.M., Bergaya S., Fitzgerald T.N., Westvik T.S., Frattini J.C., Breuer C.K., Cha C.H., Nishibe T., Tellides G., Sessa W.C.,Dardik A. Venous identity is lost but arterial identity is not gained during vein graft adaptation. Arterioscler Thromb Vasc Biol, 2007, Vol.27, no 7, pp. 1562-71. |  | 10.1161/ATVBAHA.107.143032 |
| 117 | Lamouille S., Connolly E., Smyth J.W., Akhurst R.J.,Derynck R. TGF-beta-induced activation of mTOR complex 2 drives epithelial-mesenchymal transition and cell invasion. J Cell Sci, 2012, Vol.125, no Pt 5, pp. 1259-73. |  | 10.1242/jcs.095299 |
| 118 | Landry J.,Huot J. Regulation of actin dynamics by stress-activated protein kinase 2 (SAPK2)-dependent phosphorylation of heat-shock protein of 27 kDa (Hsp27). Biochem Soc Symp, 1999, Vol.64, no, pp. 79-89. |  | https://pubmed.ncbi.nlm.nih.gov/10207622/ |
| 119 | Larsson H., Klint P., Landgren E.,Claesson-Welsh L. Fibroblast growth factor receptor-1-mediated endothelial cell proliferation is dependent on the Src homology (SH) 2/SH3 domain-containing adaptor protein Crk. J Biol Chem, 1999, Vol.274, no 36, pp. 25726-34. |  | 10.1074/jbc.274.36.25726 |
| 120 | Lebrin F., Deckers M., Bertolino P.,Ten Dijke P. TGF-beta receptor function in the endothelium. Cardiovasc Res, 2005, Vol.65, no 3, pp. 599-608. |  | 10.1016/j.cardiores.2004.10.036 |
| 121 | Lebrin F., Goumans M.J., Jonker L., Carvalho R.L., Valdimarsdottir G., Thorikay M., Mummery C., Arthur H.M.,ten Dijke P. Endoglin promotes endothelial cell proliferation and TGF-beta/ALK1 signal transduction. EMBO J, 2004, Vol.23, no 20, pp. 4018-28. |  | 10.1038/sj.emboj.7600386 |
| 122 | Lechuga C.G., Hernandez-Nazara Z.H., Dominguez Rosales J.A., Morris E.R., Rincon A.R., Rivas-Estilla A.M., Esteban-Gamboa A.,Rojkind M. TGF-beta1 modulates matrix metalloproteinase-13 expression in hepatic stellate cells by complex mechanisms involving p38MAPK, PI3-kinase, AKT, and p70S6k. Am J Physiol Gastrointest Liver Physiol, 2004, Vol.287, no 5, pp. G974-87. |  | 10.1152/ajpgi.00264.2003 |
| 123 | Lee M.K., Pardoux C., Hall M.C., Lee P.S., Warburton D., Qing J., Smith S.M.,Derynck R. TGF-beta activates Erk MAP kinase signalling through direct phosphorylation of ShcA. EMBO J, 2007, Vol.26, no 17, pp. 3957-67. |  | 10.1038/sj.emboj.7601818 |
| 124 | Lee N.Y., Golzio C., Gatza C.E., Sharma A., Katsanis N.,Blobe G.C. Endoglin regulates PI3-kinase/Akt trafficking and signaling to alter endothelial capillary stability during angiogenesis. Mol Biol Cell, 2012, Vol.23, no 13, pp. 2412-23. |  | 10.1091/mbc.E11-12-0993 |
| 125 | Lee S.M., Moon J., Redman B.G., Chidiac T., Flaherty L.E., Zha Y., Othus M., Ribas A., Sondak V.K., Gajewski T.F.,Margolin K.A. Phase 2 study of RO4929097, a gamma‐secretase inhibitor, in metastatic melanoma: SWOG 0933. Cancer, 2014, Vol.121, no 3, pp. 432-440. |  | 10.1002/cncr.29055 |
| 126 | Leong K.G., Hu X., Li L., Noseda M., Larrivee B., Hull C., Hood L., Wong F.,Karsan A. Activated Notch4 inhibits angiogenesis: role of beta 1-integrin activation. Mol Cell Biol, 2002, Vol.22, no 8, pp. 2830-41. |  | 10.1128/MCB.22.8.2830-2841.2002 |
| 127 | Leu S.J., Lam S.C.,Lau L.F. Pro-angiogenic activities of CYR61 (CCN1) mediated through integrins alphavbeta3 and alpha6beta1 in human umbilical vein endothelial cells. J Biol Chem, 2002, Vol.277, no 48, pp. 46248-55. |  | 10.1074/jbc.M209288200 |
| 128 | Li A., Dubey S., Varney M.L., Dave B.J.,Singh R.K. IL-8 directly enhanced endothelial cell survival, proliferation, and matrix metalloproteinases production and regulated angiogenesis. J Immunol, 2003, Vol.170, no 6, pp. 3369-76. |  | 10.4049/jimmunol.170.6.3369 |
| 129 | Li C., Guo B., Bernabeu C.,Kumar S. Angiogenesis in breast cancer: the role of transforming growth factor beta and CD105. Microsc Res Tech, 2001, Vol.52, no 4, pp. 437-49. |  | 10.1002/10970029(20010215)52:4<437::AID-JEMT1029>3.0.CO;2-G |
| 130 | Li D., Tang J., Gao R., Lan J., Shen W., Liu Y., Chen Y., Sun H., Yan J., Nie Y.,Luo N. PFKFB4 promotes angiogenesis via IL-6/STAT5A/P-STAT5 signaling in breast cancer. J Cancer, 2022, Vol.13, no 1, pp. 212-224. |  | 10.7150/jca.66773 |
| 131 | Liberati N.T., Datto M.B., Frederick J.P., Shen X., Wong C., Rougier-Chapman E.M.,Wang X.F. Smads bind directly to the Jun family of AP-1 transcription factors. Proc Natl Acad Sci U S A, 1999, Vol.96, no 9, pp. 4844-9. |  | 10.1073/pnas.96.9.4844 |
| 132 | Liu C., Xu P., Lamouille S., Xu J.,Derynck R. TACE-mediated ectodomain shedding of the type I TGF-beta receptor downregulates TGF-beta signaling. Mol Cell, 2009, Vol.35, no 1, pp. 26-36. |  | 10.1016/j.molcel.2009.06.018 |
| 133 | Liu Y., Liu H., Meyer C., Li J., Nadalin S., Konigsrainer A., Weng H., Dooley S.,Ten Dijke P. Transforming growth factor-beta (TGF-beta)-mediated connective tissue growth factor (CTGF) expression in hepatic stellate cells requires Stat3 signaling activation. J Biol Chem, 2013, Vol.288, no 42, pp. 30708-30719. |  | 10.1074/jbc.M113.478685 |
| 134 | Liu Z.J., Shirakawa T., Li Y., Soma A., Oka M., Dotto G.P., Fairman R.M., Velazquez O.C.,Herlyn M. Regulation of Notch1 and Dll4 by vascular endothelial growth factor in arterial endothelial cells: implications for modulating arteriogenesis and angiogenesis. Mol Cell Biol, 2003, Vol.23, no 1, pp. 14-25. |  | 10.1128/MCB.23.1.14-25.2003 |
| 135 | Liu Z.J., Xiao M., Balint K., Soma A., Pinnix C.C., Capobianco A.J., Velazquez O.C.,Herlyn M. Inhibition of endothelial cell proliferation by Notch1 signaling is mediated by repressing MAPK and PI3K/Akt pathways and requires MAML1. FASEB J, 2006, Vol.20, no 7, pp. 1009-11. |  | 10.1096/fj.05-4880fje |
| 136 | Lobov I.B., Renard R.A., Papadopoulos N., Gale N.W., Thurston G., Yancopoulos G.D.,Wiegand S.J. Delta-like ligand 4 (Dll4) is induced by VEGF as a negative regulator of angiogenic sprouting. Proc Natl Acad Sci U S A, 2007, Vol.104, no 9, pp. 3219-24. |  | 10.1073/pnas.0611206104 |
| 137 | Lopez-Rovira T., Chalaux E., Rosa J.L., Bartrons R.,Ventura F. Interaction and functional cooperation of NF-kappa B with Smads. Transcriptional regulation of the junB promoter. J Biol Chem, 2000, Vol.275, no 37, pp. 28937-46. |  | 10.1074/jbc.M909923199 |
| 138 | Lu C.C., Tsai H.C., Yang D.Y., Wang S.W., Tsai M.H., Hua C.H., Chen K.J., Chen M.Y., Lien M.Y.,Tang C.H. The Chemokine CCL4 Stimulates Angiopoietin-2 Expression and Angiogenesis via the MEK/ERK/STAT3 Pathway in Oral Squamous Cell Carcinoma. Biomedicines, 2022, Vol.10, no 7. |  | 10.3390/biomedicines10071612 |
| 139 | Luo K. Signaling Cross Talk between TGF-beta/Smad and Other Signaling Pathways. Cold Spring Harb Perspect Biol, 2017, Vol.9, no 1. |  | 10.1101/cshperspect.a022137 |
| 140 | Mao R., Fan Y., Mou Y., Zhang H., Fu S.,Yang J. TAK1 lysine 158 is required for TGF-beta-induced TRAF6-mediated Smad-independent IKK/NF-kappaB and JNK/AP-1 activation. Cell Signal, 2011, Vol.23, no 1, pp. 222-7. |  | 10.1016/j.cellsig.2010.09.006 |
| 141 | Martin-Vega A.,Cobb M.H. Navigating the ERK1/2 MAPK Cascade. Biomolecules, 2023, Vol.13, no 10. |  | 10.3390/biom13101555 |
| 142 | Masckauchan T.N., Shawber C.J., Funahashi Y., Li C.M.,Kitajewski J. Wnt/beta-catenin signaling induces proliferation, survival and interleukin-8 in human endothelial cells. Angiogenesis, 2005, Vol.8, no 1, pp. 43-51. |  | 10.1007/s10456-005-5612-9 |
| 143 | Massague J. TGFbeta signalling in context. Nat Rev Mol Cell Biol, 2012, Vol.13, no 10, pp. 616-30. |  | 10.1038/nrm3434 |
| 144 | Masson-Gadais B., Houle F., Laferriere J.,Huot J. Integrin alphavbeta3, requirement for VEGFR2-mediated activation of SAPK2/p38 and for Hsp90-dependent phosphorylation of focal adhesion kinase in endothelial cells activated by VEGF. Cell Stress Chaperones, 2003, Vol.8, no 1, pp. 37-52. |  | 10.1379/1466-1268(2003)8<37:ivrfva>2.0.co;2 |
| 145 | Master Z., Jones N., Tran J., Jones J., Kerbel R.S.,Dumont D.J. Dok-R plays a pivotal role in angiopoietin-1-dependent cell migration through recruitment and activation of Pak. EMBO J, 2001, Vol.20, no 21, pp. 5919-28. |  | 10.1093/emboj/20.21.5919 |
| 146 | Matsumoto T., Turesson I., Book M., Gerwins P.,Claesson-Welsh L. p38 MAP kinase negatively regulates endothelial cell survival, proliferation, and differentiation in FGF-2-stimulated angiogenesis. J Cell Biol, 2002, Vol.156, no 1, pp. 149-60. |  | 10.1083/jcb.200103096 |
| 147 | Matsuura I., Wang G., He D.,Liu F. Identification and characterization of ERK MAP kinase phosphorylation sites in Smad3. Biochemistry, 2005, Vol.44, no 37, pp. 12546-53. |  | 10.1021/bi050560g |
| 148 | Means-Powell J.A., Mayer I.A., Ismail-Khan R., Del Valle L., Tonetti D., Abramson V.G., Sanders M.S., Lush R.M., Sorrentino C., Majumder S.,Miele L. A Phase Ib Dose Escalation Trial of RO4929097 (a γ-secretase inhibitor) in Combination with Exemestane in Patients with ER + Metastatic Breast Cancer (MBC). Clinical Breast Cancer, 2022, Vol.22, no 2, pp. 103-114. |  | 10.1016/j.clbc.2021.10.013 |
| 149 | Mechtcheriakova D., Schabbauer G., Lucerna M., Clauss M., De Martin R., Binder B.R.,Hofer E. Specificity, diversity, and convergence in VEGF and TNF-alpha signaling events leading to tissue factor up-regulation via EGR-1 in endothelial cells. FASEB J, 2001, Vol.15, no 1, pp. 230-242. |  | 10.1096/fj.00-0247com |
| 150 | Mellion M.L., Ronco L., Berends C.L., Pagan L., Brooks S., van Esdonk M.J., van Brummelen E.M.J., Odueyungbo A., Thompson L.A., Hage M., Badrising U.A., Raines S., Tracewell W.G., van Engelen B., Cadavid D.,Groeneveld G.J. Phase 1 clinical trial of losmapimod in facioscapulohumeral dystrophy: Safety, tolerability, pharmacokinetics, and target engagement. British Journal of Clinical Pharmacology, 2021, Vol.87, no 12, pp. 4658-4669. |  | 10.1111/bcp.14884 |
| 151 | Monteiro H.P., Gruia-Gray J., Peranovich T.M., de Oliveira L.C.,Stern A. Nitric oxide stimulates tyrosine phosphorylation of focal adhesion kinase, Src kinase, and mitogen-activated protein kinases in murine fibroblasts. Free Radic Biol Med, 2000, Vol.28, no 2, pp. 174-82. |  | 10.1016/s0891-5849(99)00233-6 |
| 152 | Monteleone G., Mann J., Monteleone I., Vavassori P., Bremner R., Fantini M., Del Vecchio Blanco G., Tersigni R., Alessandroni L., Mann D., Pallone F.,MacDonald T.T. A failure of transforming growth factor-beta1 negative regulation maintains sustained NF-kappaB activation in gut inflammation. J Biol Chem, 2004, Vol.279, no 6, pp. 3925-32. |  | 10.1074/jbc.M303654200 |
| 153 | Mu Y., Gudey S.K.,Landstrom M. Non-Smad signaling pathways. Cell Tissue Res, 2012, Vol.347, no 1, pp. 11-20. |  | 10.1007/s00441-011-1201-y |
| 154 | Mueller S.B.,Kontos C.D. Tie1: an orphan receptor provides context for angiopoietin-2/Tie2 signaling. J Clin Invest, 2016, Vol.126, no 9, pp. 3188-91. |  | 10.1172/JCI89963 |
| 155 | Munoz-Chapuli R., Quesada A.R.,Angel Medina M. Angiogenesis and signal transduction in endothelial cells. Cell Mol Life Sci, 2004, Vol.61, no 17, pp. 2224-43. |  | 10.1007/s00018-004-4070-7 |
| 156 | Nakashima K., Yanagisawa M., Arakawa H., Kimura N., Hisatsune T., Kawabata M., Miyazono K.,Taga T. Synergistic signaling in fetal brain by STAT3-Smad1 complex bridged by p300. Science, 1999, Vol.284, no 5413, pp. 479-82. |  | 10.1126/science.284.5413.479 |
| 157 | Nawroth R., Poell G., Ranft A., Kloep S., Samulowitz U., Fachinger G., Golding M., Shima D.T., Deutsch U.,Vestweber D. VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO J, 2002, Vol.21, no 18, pp. 4885-95. |  | 10.1093/emboj/cdf497 |
| 158 | Noseda M., Chang L., McLean G., Grim J.E., Clurman B.E., Smith L.L.,Karsan A. Notch activation induces endothelial cell cycle arrest and participates in contact inhibition: role of p21Cip1 repression. Mol Cell Biol, 2004, Vol.24, no 20, pp. 8813-22. |  | 10.1128/MCB.24.20.8813-8822.2004 |
| 159 | O'Leary E.M., Tian Y., Nigdelioglu R., Witt L.J., Cetin-Atalay R., Meliton A.Y., Woods P.S., Kimmig L.M., Sun K.A., Gokalp G.A., Mutlu G.M.,Hamanaka R.B. TGF-beta Promotes Metabolic Reprogramming in Lung Fibroblasts via mTORC1-dependent ATF4 Activation. Am J Respir Cell Mol Biol, 2020, Vol.63, no 5, pp. 601-612. |  | 10.1165/rcmb.2020-0143OC |
| 160 | Ogawa K., Chen F., Kuang C.,Chen Y. Suppression of matrix metalloproteinase-9 transcription by transforming growth factor-beta is mediated by a nuclear factor-kappaB site. Biochem J, 2004, Vol.381, no Pt 2, pp. 413-22. |  | 10.1042/BJ20040058 |
| 161 | Oitzinger W., Hofer-Warbinek R., Schmid J.A., Koshelnick Y., Binder B.R.,de Martin R. Adenovirus-mediated expression of a mutant IkappaB kinase 2 inhibits the response of endothelial cells to inflammatory stimuli. Blood, 2001, Vol.97, no 6, pp. 1611-7. |  | 10.1182/blood.v97.6.1611 |
| 162 | Oliver G.,Detmar M. The rediscovery of the lymphatic system: old and new insights into the development and biological function of the lymphatic vasculature. Genes Dev, 2002, Vol.16, no 7, pp. 773-83. |  | 10.1101/gad.975002 |
| 163 | Orlova V.V., Liu Z., Goumans M.J.,ten Dijke P. Controlling angiogenesis by two unique TGF-beta type I receptor signaling pathways. Histol Histopathol, 2011, Vol.26, no 9, pp. 1219-30. |  | 10.14670/HH-26.1219 |
| 164 | Pan Q., Chanthery Y., Liang W.C., Stawicki S., Mak J., Rathore N., Tong R.K., Kowalski J., Yee S.F., Pacheco G., Ross S., Cheng Z., Le Couter J., Plowman G., Peale F., Koch A.W., Wu Y., Bagri A., Tessier-Lavigne M.,Watts R.J. Blocking neuropilin-1 function has an additive effect with anti-VEGF to inhibit tumor growth. Cancer Cell, 2007, Vol.11, no 1, pp. 53-67. |  | 10.1016/j.ccr.2006.10.018 |
| 165 | Papetti M.,Herman I.M. Mechanisms of normal and tumor-derived angiogenesis. Am J Physiol Cell Physiol, 2002, Vol.282, no 5, pp. C947-70. |  | 10.1152/ajpcell.00389.2001 |
| 166 | Pei C.Z., Seok J., Kim G.J., Choi B.C.,Baek K.H. Deficiency of HtrA4 in BeWo cells downregulates angiogenesis through IL-6/JAK/STAT3 signaling. Biomed Pharmacother, 2023, Vol.166, no, pp. 115288. |  | 10.1016/j.biopha.2023.115288 |
| 167 | Pelullo M., Zema S., Nardozza F., Checquolo S., Screpanti I.,Bellavia D. Wnt, Notch, and TGF-beta Pathways Impinge on Hedgehog Signaling Complexity: An Open Window on Cancer. Front Genet, 2019, Vol.10, no, pp. 711. |  | 10.3389/fgene.2019.00711 |
| 168 | Phng L.K.,Gerhardt H. Angiogenesis: a team effort coordinated by notch. Dev Cell, 2009, Vol.16, no 2, pp. 196-208. |  | 10.1016/j.devcel.2009.01.015 |
| 169 | Phng L.K., Potente M., Leslie J.D., Babbage J., Nyqvist D., Lobov I., Ondr J.K., Rao S., Lang R.A., Thurston G.,Gerhardt H. Nrarp coordinates endothelial Notch and Wnt signaling to control vessel density in angiogenesis. Dev Cell, 2009, Vol.16, no 1, pp. 70-82. |  | 10.1016/j.devcel.2008.12.009 |
| 170 | Presta M., Dell'Era P., Mitola S., Moroni E., Ronca R.,Rusnati M. Fibroblast growth factor/fibroblast growth factor receptor system in angiogenesis. Cytokine Growth Factor Rev, 2005, Vol.16, no 2, pp. 159-78. |  | 10.1016/j.cytogfr.2005.01.004 |
| 171 | Qi L., Li X., Zhang F., Zhu X., Zhao Q., Yang D., Hao S., Li T., Li X., Tian T., Feng J., Sun X., Wang X., Gao S., Wang H., Ye J., Cao S., He Y., Wang H.,Wei B. VEGFR-3 signaling restrains the neuron-macrophage crosstalk during neurotropic viral infection. Cell Rep, 2023, Vol.42, no 5, pp. 112489. |  | 10.1016/j.celrep.2023.112489 |
| 172 | Qin L., Zhang H., Li B., Jiang Q., Lopez F., Min W.,Zhou J.H. CCM3 Loss-Induced Lymphatic Defect Is Mediated by the Augmented VEGFR3-ERK1/2 Signaling. Arterioscler Thromb Vasc Biol, 2021, Vol.41, no 12, pp. 2943-2960. |  | 10.1161/ATVBAHA.121.316707 |
| 173 | Rahimi R.A., Andrianifahanana M., Wilkes M.C., Edens M., Kottom T.J., Blenis J.,Leof E.B. Distinct roles for mammalian target of rapamycin complexes in the fibroblast response to transforming growth factor-beta. Cancer Res, 2009, Vol.69, no 1, pp. 84-93. |  | 10.1158/0008-5472.CAN-08-2146 |
| 174 | Reineke D.C., Muller-Schweinitzer E., Winkler B., Kunz D., Konerding M.A., Grussenmeyer T., Carrel T.P., Eckstein F.S.,Grapow M.T. Rapamycin impairs endothelial cell function in human internal thoracic arteries. Eur J Med Res, 2015, Vol.20, no 1, pp. 59. |  | 10.1186/s40001-015-0150-4 |
| 175 | Remy I., Montmarquette A.,Michnick S.W. PKB/Akt modulates TGF-beta signalling through a direct interaction with Smad3. Nat Cell Biol, 2004, Vol.6, no 4, pp. 358-65. |  | 10.1038/ncb1113 |
| 176 | Robertson I.B.,Rifkin D.B. Regulation of the Bioavailability of TGF-beta and TGF-beta-Related Proteins. Cold Spring Harb Perspect Biol, 2016, Vol.8, no 6. |  | 10.1101/cshperspect.a021907 |
| 177 | Romashkova J.A.,Makarov S.S. NF-kappaB is a target of AKT in anti-apoptotic PDGF signalling. Nature, 1999, Vol.401, no 6748, pp. 86-90. |  | 10.1038/43474 |
| 178 | Ross K.R., Corey D.A., Dunn J.M.,Kelley T.J. SMAD3 expression is regulated by mitogen-activated protein kinase kinase-1 in epithelial and smooth muscle cells. Cell Signal, 2007, Vol.19, no 5, pp. 923-31. |  | 10.1016/j.cellsig.2006.11.008 |
| 179 | Rossant J.,Howard L. Signaling pathways in vascular development. Annu Rev Cell Dev Biol, 2002, Vol.18, no, pp. 541-73 |  | 10.1146/annurev.cellbio.18.012502.105825 |
| 180 | Rudini N., Felici A., Giampietro C., Lampugnani M., Corada M., Swirsding K., Garre M., Liebner S., Letarte M., ten Dijke P.,Dejana E. VE-cadherin is a critical endothelial regulator of TGF-beta signalling. EMBO J, 2008, Vol.27, no 7, pp. 993-1004. |  | 10.1038/emboj.2008.46 |
| 181 | Ruegg C.,Mariotti A. Vascular integrins: pleiotropic adhesion and signaling molecules in vascular homeostasis and angiogenesis. Cell Mol Life Sci, 2003, Vol.60, no 6, pp. 1135-57. |  | 10.1007/s00018-003-2297-3 |
| 182 | Sainson R.C., Aoto J., Nakatsu M.N., Holderfield M., Conn E., Koller E.,Hughes C.C. Cell-autonomous notch signaling regulates endothelial cell branching and proliferation during vascular tubulogenesis. FASEB J, 2005, Vol.19, no 8, pp. 1027-9. |  | 10.1096/fj.04-3172fje |
| 183 | Sakurai Y., Ohgimoto K., Kataoka Y., Yoshida N.,Shibuya M. Essential role of Flk-1 (VEGF receptor 2) tyrosine residue 1173 in vasculogenesis in mice. Proc Natl Acad Sci U S A, 2005, Vol.102, no 4, pp. 1076-81. |  | 10.1073/pnas.0404984102 |
| 184 | Sato Y., Watanabe T., Saito D., Takahashi T., Yoshida S., Kohyama J., Ohata E., Okano H.,Takahashi Y. Notch mediates the segmental specification of angioblasts in somites and their directed migration toward the dorsal aorta in avian embryos. Dev Cell, 2008, Vol.14, no 6, pp. 890-901 |  | 10.1016/j.devcel.2008.03.024 |
| 185 | Sawano A., Takahashi T., Yamaguchi S.,Shibuya M. The phosphorylated 1169-tyrosine containing region of flt-1 kinase (VEGFR-1) is a major binding site for PLCgamma. Biochem Biophys Res Commun, 1997, Vol.238, no 2, pp. 487-91. |  | 10.1006/bbrc.1997.7327 |
| 186 | Schmucker D.,Zipursky S.L. Signaling downstream of Eph receptors and ephrin ligands. Cell, 2001, Vol.105, no 6, pp. 701-4. |  | 10.1016/s0092-8674(01)00391-9 |
| 187 | Senger D.R., Perruzzi C.A., Streit M., Koteliansky V.E., de Fougerolles A.R.,Detmar M. The alpha(1)beta(1) and alpha(2)beta(1) integrins provide critical support for vascular endothelial growth factor signaling, endothelial cell migration, and tumor angiogenesis. Am J Pathol, 2002, Vol.160, no 1, pp. 195-204. |  | 10.1016/s0002-9440(10)64363-5 |
| 188 | Seoane J., Le H.V.,Massague J. Myc suppression of the p21(Cip1) Cdk inhibitor influences the outcome of the p53 response to DNA damage. Nature, 2002, Vol.419, no 6908, pp. 729-34. |  | 10.1038/nature01119 |
| 189 | Seoane J., Le H.V., Shen L., Anderson S.A.,Massague J. Integration of Smad and forkhead pathways in the control of neuroepithelial and glioblastoma cell proliferation. Cell, 2004, Vol.117, no 2, pp. 211-23. |  | 10.1016/s0092-8674(04)00298-3 |
| 190 | Shan L., Ding Y., Fu Y., Zhou L., Dong X., Chen S., Wu H., Nai W., Zheng H., Xu W., Bai X., Jia C.,Dai M. mTOR Overactivation in Mesenchymal cells Aggravates CCl(4)- Induced liver Fibrosis. Sci Rep, 2016, Vol.6, no, pp. 36037. |  | 10.1038/srep36037 |
| 191 | Shao E.S., Lin L., Yao Y.,Bostrom K.I. Expression of vascular endothelial growth factor is coordinately regulated by the activin-like kinase receptors 1 and 5 in endothelial cells. Blood, 2009, Vol.114, no 10, pp. 2197-206. |  | 10.1182/blood-2009-01-199166 |
| 192 | Shawber C.J., Funahashi Y., Francisco E., Vorontchikhina M., Kitamura Y., Stowell S.A., Borisenko V., Feirt N., Podgrabinska S., Shiraishi K., Chawengsaksophak K., Rossant J., Accili D., Skobe M.,Kitajewski J. Notch alters VEGF responsiveness in human and murine endothelial cells by direct regulation of VEGFR-3 expression. J Clin Invest, 2007, Vol.117, no 11, pp. 3369-82. |  | 10.1172/JCI24311 |
| 193 | Shi M., Zhu J., Wang R., Chen X., Mi L., Walz T.,Springer T.A. Latent TGF-beta structure and activation. Nature, 2011, Vol.474, no 7351, pp. 343-9. |  | 10.1038/nature10152 |
| 194 | Shibuya M., Hirai S., Seto M., Satoh S.-i.,Ohtomo E. Effects of fasudil in acute ischemic stroke: Results of a prospective placebo-controlled double-blind trial. Journal of the Neurological Sciences, 2005, Vol.238, no 1-2, pp. 31-39. |  | 10.1016/j.jns.2005.06.003 |
| 195 | Shtutman M., Zhurinsky J., Simcha I., Albanese C., D'Amico M., Pestell R.,Ben-Ze'ev A. The cyclin D1 gene is a target of the beta-catenin/LEF-1 pathway. Proc Natl Acad Sci U S A, 1999, Vol.96, no 10, pp. 5522-7. |  | 10.1073/pnas.96.10.5522 |
| 196 | Si X., Zhang L., Wang H., Zhang X., Wang M., Han B., Li K., Wang Q., Shi J., Wang Z., Cheng Y., He J., Shi Y., Chen W., Wang X., Luo Y., Nan K., Jin F., Li B., Chen Y., Zhou J.,Wang D. Quality of life results from a randomized, double-blinded, placebo-controlled, multi-center phase III trial of anlotinib in patients with advanced non-small cell lung cancer. Lung Cancer, 2018, Vol.122, no, pp. 32-37. |  | 10.1016/j.lungcan.2018.05.013 |
| 197 | Siekmann A.F., Covassin L.,Lawson N.D. Modulation of VEGF signalling output by the Notch pathway. Bioessays, 2008, Vol.30, no 4, pp. 303-13. |  | 10.1002/bies.20736 |
| 198 | Singh S.P., Pathuri G., Asch A., Cholewa B., Shoemaker R., Rao C.V.,Madka V. Abstract 5255: Effect of STAT3 inhibitors, TTI-101 and SH5-07, against bladder cancer in preclinical 3D tumor models. Cancer Research, 2023, Vol.83, no 7\_Supplement, pp. 5255-5255. |  | 10.1158/1538-7445.Am2023-5255 |
| 199 | Sjolund J., Bostrom A.K., Lindgren D., Manna S., Moustakas A., Ljungberg B., Johansson M., Fredlund E.,Axelson H. The notch and TGF-beta signaling pathways contribute to the aggressiveness of clear cell renal cell carcinoma. PLoS One, 2011, Vol.6, no 8, pp. e23057. |  | 10.1371/journal.pone.0023057 |
| 200 | Soga N., Namba N., McAllister S., Cornelius L., Teitelbaum S.L., Dowdy S.F., Kawamura J.,Hruska K.A. Rho family GTPases regulate VEGF-stimulated endothelial cell motility. Exp Cell Res, 2001, Vol.269, no 1, pp. 73-87. |  | 10.1006/excr.2001.5295 |
| 201 | Sorrentino A., Thakur N., Grimsby S., Marcusson A., von Bulow V., Schuster N., Zhang S., Heldin C.H.,Landstrom M. The type I TGF-beta receptor engages TRAF6 to activate TAK1 in a receptor kinase-independent manner. Nat Cell Biol, 2008, Vol.10, no 10, pp. 1199-207. |  | 10.1038/ncb1780 |
| 202 | Sturtzel C. Endothelial Cells. Adv Exp Med Biol, 2017, Vol.1003, no, pp. 71-91. |  | 10.1007/978-3-319-57613-8\_4 |
| 203 | Sun X.F., Sun X.H., Cheng S.F., Wang J.J., Feng Y.N., Zhao Y., Yin S., Hou Z.M., Shen W.,Zhang X.F. Interaction of the transforming growth factor-beta and Notch signaling pathways in the regulation of granulosa cell proliferation. Reprod Fertil Dev, 2016, Vol.28, no 12, pp. 1873-1881. |  | 10.1071/RD14398 |
| 204 | Syed Y.Y. Anlotinib: First Global Approval. Drugs, 2018, Vol.78, no 10, pp. 1057-1062. |  | 10.1007/s40265-018-0939-x |
| 205 | Takekawa M., Tatebayashi K., Itoh F., Adachi M., Imai K.,Saito H. Smad-dependent GADD45beta expression mediates delayed activation of p38 MAP kinase by TGF-beta. EMBO J, 2002, Vol.21, no 23, pp. 6473-82. |  | 10.1093/emboj/cdf643 |
| 206 | Tallquist M.,Kazlauskas A. PDGF signaling in cells and mice. Cytokine Growth Factor Rev, 2004, Vol.15, no 4, pp. 205-13. |  | 10.1016/j.cytogfr.2004.03.003 |
| 207 | Testa J.R.,Bellacosa A. AKT plays a central role in tumorigenesis. Proc Natl Acad Sci U S A, 2001, Vol.98, no 20, pp. 10983-5. |  | 10.1073/pnas.211430998 |
| 208 | Thompson N.L., Flanders K.C., Smith J.M., Ellingsworth L.R., Roberts A.B.,Sporn M.B. Expression of transforming growth factor-beta 1 in specific cells and tissues of adult and neonatal mice. J Cell Biol, 1989, Vol.108, no 2, pp. 661-9. |  | 10.1083/jcb.108.2.661 |
| 209 | Tran J., Master Z., Yu J.L., Rak J., Dumont D.J.,Kerbel R.S. A role for survivin in chemoresistance of endothelial cells mediated by VEGF. Proc Natl Acad Sci U S A, 2002, Vol.99, no 7, pp. 4349-54. |  | 10.1073/pnas.072586399 |
| 210 | Trindade A., Kumar S.R., Scehnet J.S., Lopes-da-Costa L., Becker J., Jiang W., Liu R., Gill P.S.,Duarte A. Overexpression of delta-like 4 induces arterialization and attenuates vessel formation in developing mouse embryos. Blood, 2008, Vol.112, no 5, pp. 1720-9. |  | 10.1182/blood-2007-09-112748 |
| 211 | Turner N., Howell S., Jhaveri K., Gomez H., Toi M., Hu X., Loibl S., Rugo H.S., Ni P., De Bruin E., Orbegoso C.M.A.A., Schiavon G., Foxley A.,Oliveira M. 350TiP A phase III trial of capivasertib and fulvestrant versus placebo and fulvestrant in patients with HR+/HER2− breast cancer (CAPItello-291). Annals of Oncology, 2020, Vol.31, no, pp. S388-S389. |  | 10.1016/j.annonc.2020.08.452 |
| 212 | Udan R.S., Culver J.C.,Dickinson M.E. Understanding vascular development. Wiley Interdiscip Rev Dev Biol, 2013, Vol.2, no 3, pp. 327-46. |  | 10.1002/wdev.91 |
| 213 | Umemura A., Park E.J., Taniguchi K., Lee J.H., Shalapour S., Valasek M.A., Aghajan M., Nakagawa H., Seki E., Hall M.N.,Karin M. Liver damage, inflammation, and enhanced tumorigenesis after persistent mTORC1 inhibition. Cell Metab, 2014, Vol.20, no 1, pp. 133-44. |  | 10.1016/j.cmet.2014.05.001 |
| 214 | Valdembri D., Serini G., Vacca A., Ribatti D.,Bussolino F. In vivo activation of JAK2/STAT-3 pathway during angiogenesis induced by GM-CSF. FASEB J, 2002, Vol.16, no 2, pp. 225-7. |  | 10.1096/fj.01-0633fje |
| 215 | Vandekeere S., Dewerchin M.,Carmeliet P. Angiogenesis Revisited: An Overlooked Role of Endothelial Cell Metabolism in Vessel Sprouting. Microcirculation, 2015, Vol.22, no 7, pp. 509-17. |  | 10.1111/micc.12229 |
| 216 | Vicari R.M., Chaitman B., Keefe D., Smith W.B., Chrysant S.G., Tonkon M.J., Bittar N., Weiss R.J., Morales-Ballejo H.,Thadani U. Efficacy and Safety of Fasudil in Patients With Stable Angina. Journal of the American College of Cardiology, 2005, Vol.46, no 10, pp. 1803-1811. |  | 10.1016/j.jacc.2005.07.047 |
| 217 | Walsh K.A., Kastrappis G., Fifis T., Paolini R., Christophi C.,Perini M.V. SAR131675, a VEGRF3 Inhibitor, Modulates the Immune Response and Reduces the Growth of Colorectal Cancer Liver Metastasis. Cancers, 2022, Vol.14, no 11. |  | 10.3390/cancers14112715 |
| 218 | Wang C., Deng L., Hong M., Akkaraju G.R., Inoue J.,Chen Z.J. TAK1 is a ubiquitin-dependent kinase of MKK and IKK. Nature, 2001, Vol.412, no 6844, pp. 346-51. |  | 10.1038/35085597 |
| 219 | Wang L., Zeng H., Wang P., Soker S.,Mukhopadhyay D. Neuropilin-1-mediated vascular permeability factor/vascular endothelial growth factor-dependent endothelial cell migration. J Biol Chem, 2003, Vol.278, no 49, pp. 48848-60. |  | 10.1074/jbc.M310047200 |
| 220 | Wang M., Zhou X., Jiang Z.,Wang J. Angiogenesis Inhibitor ZM 306416 Reduces Non-Alcoholic Fatty Liver Disease in Mice Induced by High-Fat Diet. Journal of Biomaterials and Tissue Engineering, 2022, Vol.12, no 6, pp. 1156-1163. |  | 10.1166/jbt.2022.3027 |
| 221 | Wang X., Ding X., Yan J., Lu Z., Cao H., Ni X.,Ying Y. STAT5 inhibitor attenuates atherosclerosis via inhibition of inflammation: the role of STAT5 in atherosclerosis. Am J Transl Res, 2021, Vol.13, no 3, pp. 1422-1431. |  | https://pubmed.ncbi.nlm.nih.gov/33841667/ |
| 222 | Watabe T., Nishihara A., Mishima K., Yamashita J., Shimizu K., Miyazawa K., Nishikawa S.,Miyazono K. TGF-beta receptor kinase inhibitor enhances growth and integrity of embryonic stem cell-derived endothelial cells. J Cell Biol, 2003, Vol.163, no 6, pp. 1303-11. |  | 10.1083/jcb.200305147 |
| 223 | Wise-Draper T.M., Moorthy G., Salkeni M.A., Karim N.A., Thomas H.E., Mercer C.A., Beg M.S., O’Gara S., Olowokure O., Fathallah H., Kozma S.C., Thomas G., Rixe O., Desai P.,Morris J.C. A Phase Ib Study of the Dual PI3K/mTOR Inhibitor Dactolisib (BEZ235) Combined with Everolimus in Patients with Advanced Solid Malignancies. Targeted Oncology, 2017, Vol.12, no 3, pp. 323-332. |  | 10.1007/s11523-017-0482-9 |
| 224 | Wong C., Rougier-Chapman E.M., Frederick J.P., Datto M.B., Liberati N.T., Li J.M.,Wang X.F. Smad3-Smad4 and AP-1 complexes synergize in transcriptional activation of the c-Jun promoter by transforming growth factor beta. Mol Cell Biol, 1999, Vol.19, no 3, pp. 1821-30. |  | 10.1128/MCB.19.3.1821 |
| 225 | Wu D., Tao J., Xu B., Qing W., Li P., Lu Q.,Zhang W. Phosphatidylinositol 3-Kinase Inhibitor LY294002 Suppresses Proliferation and Sensitizes Doxorubicin Chemotherapy in Bladder Cancer Cells. Urologia Internationalis, 2011, Vol.86, no 3, pp. 346-354. |  | 10.1159/000322986 |
| 226 | Wu L.W., Mayo L.D., Dunbar J.D., Kessler K.M., Baerwald M.R., Jaffe E.A., Wang D., Warren R.S.,Donner D.B. Utilization of distinct signaling pathways by receptors for vascular endothelial cell growth factor and other mitogens in the induction of endothelial cell proliferation. J Biol Chem, 2000, Vol.275, no 7, pp. 5096-103. |  | 10.1074/jbc.275.7.5096 |
| 227 | Wullschleger S., Loewith R.,Hall M.N. TOR signaling in growth and metabolism. Cell, 2006, Vol.124, no 3, pp. 471-84. |  | 10.1016/j.cell.2006.01.016 |
| 228 | Xia Z.P., Sun L., Chen X., Pineda G., Jiang X., Adhikari A., Zeng W.,Chen Z.J. Direct activation of protein kinases by unanchored polyubiquitin chains. Nature, 2009, Vol.461, no 7260, pp. 114-9. |  | 10.1038/nature08247 |
| 229 | Yap T.A., Vieito M., Baldini C., Sepulveda-Sanchez J.M., Kondo S., Simonelli M., Cosman R., van der Westhuizen A., Atkinson V., Carpentier A.F., Lohr M., Redman R., Mason W., Cervantes A., Le Rhun E., Ochsenreither S., Warren L., Zhao Y., Callies S., Estrem S.T., Man M., Gandhi L., Avsar E.,Melisi D. First-In-Human Phase I Study of a Next-Generation, Oral, TGFbeta Receptor 1 Inhibitor, LY3200882, in Patients with Advanced Cancer. Clin Cancer Res, 2021, Vol.27, no 24, pp. 6666-6676. |  | 10.1158/1078-0432.CCR-21-1504 |
| 230 | Yeh Y.Y., Chiao C.C., Kuo W.Y., Hsiao Y.C., Chen Y.J., Wei Y.Y., Lai T.H., Fong Y.C.,Tang C.H. TGF-beta1 increases motility and alphavbeta3 integrin up-regulation via PI3K, Akt and NF-kappaB-dependent pathway in human chondrosarcoma cells. Biochem Pharmacol, 2008, Vol.75, no 6, pp. 1292-301. |  | 10.1016/j.bcp.2007.11.017 |
| 231 | Zech B., Kohl R., von Knethen A.,Brune B. Nitric oxide donors inhibit formation of the Apaf-1/caspase-9 apoptosome and activation of caspases. Biochem J, 2003, Vol.371, no Pt 3, pp. 1055-64. |  | 10.1042/BJ20021720 |
| 232 | Zeller P.J., Skalak T.C., Ponce A.M.,Price R.J. In vivo chemotactic properties and spatial expression of PDGF in developing mesenteric microvascular networks. Am J Physiol Heart Circ Physiol, 2001, Vol.280, no 5, pp. H2116-25. |  | 10.1152/ajpheart.2001.280.5.H2116 |
| 233 | Zhang L., Zhou F., Drabsch Y., Gao R., Snaar-Jagalska B.E., Mickanin C., Huang H., Sheppard K.A., Porter J.A., Lu C.X.,ten Dijke P. USP4 is regulated by AKT phosphorylation and directly deubiquitylates TGF-beta type I receptor. Nat Cell Biol, 2012, Vol.14, no 7, pp. 717-26. |  | 10.1038/ncb2522 |
| 234 | Zhang Y.E. Non-Smad Signaling Pathways of the TGF-beta Family. Cold Spring Harb Perspect Biol, 2017, Vol.9, no 2. |  | 10.1101/cshperspect.a022129 |
| 235 | Zhao L., Zhu Z., Yao C., Huang Y., Zhi E., Chen H., Tian R., Li P., Yuan Q., Xue Y., Wan Z., Yang C., Gong Y., He Z.,Li Z. VEGFC/VEGFR3 Signaling Regulates Mouse Spermatogonial Cell Proliferation via the Activation of AKT/MAPK and Cyclin D1 Pathway and Mediates the Apoptosis by affecting Caspase 3/9 and Bcl-2. Cell Cycle, 2018, Vol.17, no 2, pp. 225-239. |  | 10.1080/15384101.2017.1407891 |
| 236 | Zheng C., Huang J., Xu G., Li W., Weng X.,Zhang S. The Notch signaling pathway in desmoid tumor: Recent advances and the therapeutic prospects. Biochim Biophys Acta Mol Basis Dis, 2024, Vol.1870, no 1, pp. 166907. |  | 10.1016/j.bbadis.2023.166907 |