



碧云天生物技术/Beyotime Biotechnology
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Western一抗稀释液

产品编号	产品名称	包装
P0023A-100ml	Western一抗稀释液	100ml
P0023A-500ml	Western一抗稀释液	500ml

产品简介:

- 碧云天生产的Western一抗稀释液(Primary Antibody Dilution Buffer)可以用于Western时一抗(primary antibody)的稀释和配制。使用本Western一抗稀释液稀释和配制的一抗可以在4°C保存和使用不少于1个月，可以反复多次用于Western，节约您宝贵的抗体。
- 本产品的主要有效成分为经过反复优化的适量BSA、适当的去垢剂和一抗稳定试剂等，一方面能有效减少一抗的非特异性结合，另一方面能有效提升稀释后一抗的稳定保存时间。
- 按照每个一抗稀释10毫升计算，一个100ml包装的Western一抗稀释液可以稀释10个或10次一抗，一个500ml包装的Western一抗稀释液可以稀释50个或50次一抗。

包装清单:

产品编号	产品名称	包装
P0023A-100ml	Western一抗稀释液	100ml
P0023A-500ml	Western一抗稀释液	500ml
—	说明书	1份

保存条件:

4°C保存，一年有效。长期不使用可以-20°C保存。

注意事项:

- 为了能使抗体可以反复多次使用，建议尽量在4°C进行一抗和蛋白膜的结合反应，以减缓一抗的衰减速度。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明:

- 参考所用的一抗的说明，以及样品中目的蛋白的含量，按照适当比例例如1:1000、1:500等比例稀释一抗。一抗稀释后即可直接用于Western。一次Western结束后，可以回收稀释的一抗，4°C保存，以用于下次的Western。
- 详细的Western操作可以参考我们的相关网页：<http://www.beyotime.com/support/western.htm>。

相关产品:

产品编号	产品名称	包装
P0023A-100ml	Western一抗稀释液	100ml
P0023A-500ml	Western一抗稀释液	500ml
P0023B-100ml	Western封闭液	100ml
P0023B-500ml	Western封闭液	500ml
P0023D-100ml	Western二抗稀释液	100ml
P0023D-500ml	Western二抗稀释液	500ml
P0220	Quickblock™封闭液(PBS)	100ml
P0222	Quickblock™封闭液(PBSTw)	100ml
P0226	Quickblock™封闭液(PBSTx)	100ml
P0228	Quickblock™封闭液(TBS)	100ml
P0231	Quickblock™封闭液(TBSTw)	100ml
P0233	Quickblock™封闭液(TBSTx)	100ml
P0235	Quickblock™封闭液(10X)	100ml
P0252-100ml	QuickBlock™ Western封闭液	100ml
P0252-500ml	QuickBlock™ Western封闭液	500ml

P0256-100ml	QuickBlock™ Western一抗稀释液	100ml
P0256-500ml	QuickBlock™ Western一抗稀释液	500ml
P0258-100ml	QuickBlock™ Western二抗稀释液	100ml
P0258-500ml	QuickBlock™ Western二抗稀释液	500ml

使用本产品的文献：

1. Lv Q, Wang Y, Wang W, Wang L, Zhou X. Effect of pioglitazone on visfatin expression in 3T3-L1 adipocytes and SD rats. *Endocr Res.* 2009;34(4):130-41.
2. Tang DQ, Wei YQ, Gao YY, Yin XX, Yang DZ, Mou J, Jiang XL. Protective effects of rutin on rat glomerular mesangial cells cultured in high glucose conditions. *Phytother Res.* 2011 Nov;25(11):1640-7.
3. Liu C, Wang Y, Xie S, Zhou Y, Ren X, Li X, Cai Y. Liquiritigenin induces mitochondria-mediated apoptosis via cytochrome c release and caspases activation in HeLa Cells. *Phytother Res.* 2011 Feb; 25(2):277-83.
4. Mao SS, Hua R, Zhao XP, Qin X, Sun ZQ, Zhang Y, Wu YQ, Jia MX, Cao JL, Zhang YM. Exogenous Administration of PACAP Alleviates Traumatic Brain Injury in Rats through a Mechanism Involving the TLR4/MyD88/NF- κ B Pathway. *J Neurotrauma.* 2012 Jul 1; 29(10):1941-59.
5. Qin X, Sun ZQ, Dai XJ, Mao SS, Zhang JL, Jia MX, Zhang YM. Toll-like receptor 4 signaling is involved in PACAP-induced neuroprotection in BV2 microglial cells under OGD/reoxygenation. *Neurol Res.* 2012; 34(4):379-89.
6. Wang Y, Liu Q, Liu Z, Li B, Sun Z, Zhou H, Zhang X, Gong Y, Shao C. Berberine, a genotoxic alkaloid, induces ATM-Chk1 mediated G2 arrest in prostate cancer cells. *Mutat Res.* 2012 Jun 1;734(1-2):20-9.
7. Cui W, Zhang Z, Li W, Mak S, Hu S, Zhang H, Yuan S, Rong J, Choi TC, Lee SM, Han Y. Unexpected neuronal protection of SU5416 against 1-Methyl-4-phenylpyridinium ion-induced toxicity via inhibiting neuronal nitric oxide synthase. *PLoS One.* 2012;7(9):e46253.
8. Miao CG, Huang C, Huang Y, Yang YY, He X, Zhang L, Lv XW, Jin Y, Li J. MeCP2 modulates the canonical Wnt pathway activation by targeting SFRP4 in rheumatoid arthritis fibroblast-like synoviocytes in rats. *Cell Signal.* 2013 Mar;25(3):598-608.
9. Zhou SF, Ma J, Qu HT, Liu ZT, He WD, Wang JD, Dou AX, Zhang N, Liu JL, Guo CS, Shi Y, Hou M, Peng J. Characterization of Th1- and Th2-associated Chemokine Receptor Expression in Spleens of Patients with Immune Thrombocytopenia. *J Clin Immunol.* 2013 Jul; 33(5):938-46.
10. Ye HH, Wu KJ, Fei SJ, Zhang XW, Liu HX, Zhang JL, Zhang YM. Propofol participates in gastric mucosal protection through inhibiting the toll-like receptor-4/nuclear factor kappa-B signaling pathway. *Clin Res Hepatol Gastroenterol.* 2013 Feb;37(1):e3-15.
11. Chen Q, Yang Y, Huang Y, Pan C, Liu L, Qiu H. Angiotensin-(1-7) attenuates lung fibrosis by way of Mas receptor in acute lung injury. *J Surg Res.* 2013 Dec;185(2):740-7.
12. Zhao M, Chen YH, Dong XT, Zhou J, Chen X, Wang H, Wu SX, Xia MZ, Zhang C, Xu DX. Folic acid protects against lipopolysaccharide-induced preterm delivery and intrauterine growth restriction through its anti-inflammatory effect in mice. *PLoS One.* 2013 Dec 6;8(12):e82713.
13. Chen W, Gao Z, Ni Y, Dai Z. Carbenoxolone pretreatment and treatment of posttraumatic epilepsy. *Neural Regen Res.* 2013 Jan 15;8(2):169-76.
14. Zhu J, Zhong M, Pang Z, Yu Y. Dysregulated expression of matrix metalloproteinases and their inhibitors may participate in the pathogenesis of pre-eclampsia and fetal growth restriction. *Early Hum Dev.* 2014 Oct; 90(10):657-64.
15. Miao CG, Yang YY, He X, Huang C, Huang Y, Qin D, Du CL, Li J. MicroRNA-152 modulates the canonical Wnt pathway activation by targeting DNA methyltransferase 1 in arthritic rat model. *Biochimie.* 2014 Nov;106:149-56.
16. Tian Z, Sutton BJ, Zhang X. Distribution of rat neonatal Fc receptor in the principal organs of neonatal and pubertal rats. *J Recept Signal Transduct Res.* 2014 Apr;34(2):137-42.
17. Wang Z, Li Q, Zhang B, Lu Y, Yang Y, Ban D, Zhang H. Single nucleotide polymorphism scanning and expression of the FRZB gene in pig populations. *Gene.* 2014 Jun 15;543(2):198-203.
18. Yi D, Hou Y, Wang L, Ding B, Yang Z, Li J, Long M, Liu Y, Wu G. Dietary N-acetylcysteine supplementation alleviates liver injury in lipopolysaccharide-challenged piglets. *Br J Nutr.* 2014 Jan 14; 111(1):46-54.
19. Zhang D, Li X, Yao Z, Wei C, Ning N, Li J. GABAergic signaling facilitates breast cancer metastasis by promoting ERK1/2-dependent phosphorylation. *Cancer Lett.* 2014 Jun 28;348(1-2):100-8.
20. Zhao WJ, Song Q, Zhang ZJ, Mao L, Zheng WJ, Hu X, Lian HZ. The Kinetic Response of the Proteome in A549 Cells Exposed to ZnSO4 Stress. *PLoS One.* 2015 Jul 21;10(7):e0133451.
21. Ye M, Zheng J, Chen X, Chen X, Wu X, Lin X, Liu Y. Prednisone inhibits the focal adhesion kinase/receptor activator of NF- κ B ligand/mitogen-activated protein kinase signaling pathway in rats with adriamycin-induced nephropathy. *Mol Med Rep.* 2015 Nov; 12(5):7471-8.
22. Miao CG, Shi WJ, Xiong YY, Yu H, Zhang XL, Qin MS, Du CL, Song TW, Zhang B, Li J. MicroRNA-663 activates the canonical Wnt signaling through the adenomatous polyposis coli suppression. *Immunol Lett.* 2015 Jul;166(1):45-54.
23. Miao CG, Shi WJ, Xiong YY, Yu H, Zhang XL, Qin MS, Du CL, Song TW, Li J. miR-375 regulates the canonical Wnt pathway through FZD8 silencing in arthritis synovial fibroblasts. *Immunol Lett.* 2015 Mar; 164(1):1-10.
24. Dai XJ, Li N, Yu L, Chen ZY, Hua R, Qin X, Zhang YM. Activation of BV2 microglia by lipopolysaccharide triggers an inflammatory reaction in PC12 cell apoptosis through a toll-like receptor 4-dependent pathway. *Cell Stress Chaperones.* 2015 Mar;20(2):321-31.
25. Zhang J, Wang M, Zhang Z, Luo Z, Liu F, Liu J. Celecoxib derivative OSU-03012 inhibits the proliferation and activation of hepatic stellate cells by inducing cell senescence. *Mol Med Rep.* 2015 Apr;11(4):3021-6.
26. Huang C, Yang Y, Li WX, Wu XQ, Li XF, Ma TT, Zhang L, Meng XM, Li J. Hyperin attenuates inflammation by activating PPAR- γ in mice with acute liver injury (ALI) and LPS-induced RAW264.7 cells. *Int Immunopharmacol.* 2015 Dec;29(2):440-7.
27. Ma TT, Li XF, Li WX, Yang Y, Huang C, Meng XM, Zhang L, Li J. Geniposide alleviates inflammation by suppressing MeCP2 in mice with carbon tetrachloride-induced acute liver injury and LPS-treated THP-1 cells. *Int Immunopharmacol.* 2015 Dec;29(2):739-47.
28. Huang LT, Li H, Sun Q, Liu M, Li WD, Li S, Yu Z, Wei WT, Hang CH. IL-33 expression in the cerebral cortex following experimental subarachnoid hemorrhage in rats. *Cell Mol Neurobiol.* 2015 May; 35(4):493-501.
29. Zhang G, Zhao BX, Hua R, Kang J, Shao BM, Carbonaro TM, Zhang YM. Hippocampal microglial activation and glucocorticoid receptor down-regulation precipitate visceral hypersensitivity induced by colorectal distension in rats. *Neuropharmacology.* 2015 Dec 2; 102:295-303.
30. Xu T, Ni MM, Huang C, Meng XM, He YH, Zhang L, Li J. NLRC5 Mediates IL-6 and IL-1 β Secretion in LX-2 Cells and Modulated by the NF- κ B/Smad3 Pathway. *Inflammation.* 2015 Oct;38(5):1794-804.
31. Li PP, Lu K, Geng LY, Zhou XX, Li XY, Wang X. Bruton's tyrosine kinase inhibitor restrains Wnt signaling in chronic lymphocytic leukemia. *Mol Med Rep.* 2016 Jun;13(6):4934-8.
32. Chen Y, Huang W, Jiang W, Wu X, Ye B, Zhou X. HIV-1 Tat Regulates Occludin and A β Transfer Receptor Expression in Brain Endothelial Cells viaRho/ROCK Signaling Pathway. *Oxid Med Cell Longev.* 2016;2016:4196572.
33. Zhang B, Qiangba Y, Shang P, Lu Y, Yang Y, Wang Z, Zhang H. Gene expression of vascular endothelial growth factor A and hypoxic adaptation in Tibetan pig. *J Anim Sci Biotechnol.* 2016 Apr 2;7:21.
34. Zhang B, Shang P, Qiangba Y, Xu A, Wang Z, Zhang H. The association of NR1H3 gene with lipid deposition in the pig. *Lipids Health Dis.* 2016 May 26;15:99.
35. Chen PJ, Cai SP, Yang Y, Li WX, Huang C, Meng XM, Li J. PTP1B confers liver fibrosis by regulating the activation of hepatic stellate cells. *Toxicol Appl Pharmacol.* 2016 Feb 1;292:8-18.
36. Xie L, Xiang GH, Tang T, Tang Y, Zhao LY, Liu D, Zhang YR, Tang JT, Zhou S, Wu DH. Capsaicin and dihydrocapsaicin induce apoptosis in

- human glioma cells via ROS and Ca²⁺ mediated mitochondrial pathway. *Mol Med Rep.* 2016 Nov;14(5):4198-4208.
37. Fei Z, Gao Y, Qiu M, Qi X, Dai Y, Wang S, Quan Z, Liu Y, Ou J. Down-regulation of dihydrofolate reductase inhibits the growth of endothelial EA.hy926 cell through induction of G1 cell cycle arrest via up-regulating p53 and p21(waf1/cip1) expression. *J Clin Biochem Nutr.* 2016 Mar;58(2):105-13.
38. Li WX, Chen X, Yang Y, Huang HM, Li HD, Huang C, Meng XM, Li J. Hesperitin derivative-11 suppress hepatic stellate cell activation and proliferation by targeting PTEN/AKTpathway. *Toxicology.* 2016 Nov 3. pii: S0300-483X(16)30262-1.
39. Zhang F, Cao S, Zhu Z, Yang Y, Wen X, Chang YF, Huang X, Wu R, Wen Y, Yan Q, Huang Y, Ma X, Zhao Q. Immunoprotective Efficacy of Six In vivo-Induced Antigens against *Actinobacillus pleuropneumoniae* as Potential Vaccine Candidates in Murine Model. *Front Microbiol.* 2016 Oct 21;7:1623.
40. Li XF, Shen WW, Sun YY, Li WX, Sun ZH, Liu YH, Zhang L, Huang C, Meng XM, Li J. MicroRNA-20a negatively regulates expression of NLRP3-inflammasome by targeting TXNIP in adjuvant-induced arthritis fibroblast-like synoviocytes. *Joint Bone Spine.* 2016 Dec;83(6):695-700.
41. Zhang G, Yu L, Chen ZY, Zhu JS, Hua R, Qin X, Cao JL, Zhang YM. Activation of corticotropin-releasing factor neurons and microglia in paraventricular nucleus precipitates visceral hypersensitivity induced by colorectal distension in rats. *Brain Behav Immun.* 2016 Jul;55:93-104.
42. Xie C, Liu D, Chen Q, Yang C, Wang B, Wu H. Soluble B7-H3 promotes the invasion and metastasis of pancreatic carcinoma cells through the TLR4/NF-κBpathway. *Sci Rep.* 2016 Jun 8;6:27528.
43. Huan L, Bao C, Chen D, Li Y, Lian J, Ding J, Huang S, Liang L, He X. MicroRNA-127-5p targets the biliverdin reductase B/nuclear factor-κB pathway to suppress cell growth in hepatocellular carcinoma cells. *Cancer Sci.* 2016 Mar;107(3):258-66.
44. Zhang G, Zhao BX, Hua R, Kang J, Shao BM, Carbonaro TM, Zhang YM. Hippocampal microglial activation and glucocorticoid receptor down-regulation precipitate visceral hypersensitivity induced by colorectal distension in rats. *Neuropharmacology.* 2016 Mar;102:295-303.
45. Liu Y, Sun Z, Xu D, Liu J, Li X, Wu X, Zhang Y, Wang Q, Huang C, Meng X, Li J. Hesperidin derivative-11 inhibits fibroblast-like synoviocytes proliferation by activating Secreted frizzled-related protein 2 in adjuvant arthritis rats. *Eur J Pharmacol.* 2017 Jan 5;794:173-183.
46. Ye W, Zhong Z, Zhu S, Zheng S, Xiao J, Song S, Yu H, Wu Q, Lin Z, Chen J. Advanced oxidation protein products induce chondrocyte death through a redox-dependent, poly (ADP-ribose) polymerase-1-mediated pathway. *Apoptosis.* 2017 Jan;22(1):86-97.
47. Liu B, Li Y, Ji H, Lu H, Li H, Shi Y. Glutamine attenuates obstructive cholestasis in rats via farnesoid X receptor-mediated regulation of Bsepand Mrp2. *Can J Physiol Pharmacol.* 2017 Feb;95(2):215-223.
48. Zhu SL, Chen X, Wang LJ, Wan WW, Xin QL, Wang W, Xiao G, Zhang LK. Global quantitative proteomic analysis profiles host protein expression in response to Sendai virusinfection. *Proteomics.* 2017 Mar;17(5).
49. Zhao Y,Zeng Y,Wu A,Yu C,Tang Y,Wang X,Xiong R,Chen H,Wu J,Qin D Lychee Seed Fraction Inhibits A β (1-42)-Induced Neuroinflammation in BV-2 Cells via NF- κ B Signaling Pathway. *Front Pharmacol.* 2018 Apr 23;9:380.
50. Chen J,Sun X,Xia T,Mao Q,Zhong L. Pretreatment with dihydroquercetin, a dietary flavonoid, protected against concanavalin A-induced immunological hepatic injury in mice and TNF- α /ActD-induced apoptosis in HepG2 cells. *Food Funct.* 2018 Apr 25;9(4):2341-2352.
51. Zhao Y,Li C,Huang L,Niu S,Lu Q,Gong D,Huang S,Yuan Y,Chen HPrognostic value of association of OCT4 with LEF1 expression in esophageal squamous cell carcinoma and their impact on epithelial-mesenchymal transition, invasion, and migration. *Cancer Med-us.* 2018 Aug;7(8):3977-3987.
52. Li X,Wang X,Wang X,Chen H,Zhang X,Zhou L,Xu T3D bioprinted rat Schwann cell-laden structures with shape flexibility and enhanced nerve growth factor expression. *3 Biotech.* 2018 Aug;8(8):342.
53. Gui Y,Chen L,Duan S,Li G,Tang J,Li AMethyl cinnamate alleviated CCI-induced upregualtion of spinal AMPA receptors and pain hypersensitivity by targeting AMPK. *Eur J Pharmacol.* 2018 Aug 15;833:183-189.
54. Chen H,Liu W,Zhong L,Liao D,Zhang R,Kang T,Wu Y,NKX2-2 Suppresses Osteosarcoma Metastasis and Proliferation by Downregulating Multiple Target Genes. *J Cancer.* 2018 Aug 6;9(17):3067-3077.
55. Wang F,Wang J,Zhang Z,Chen STetrandrine inhibits the proliferation and cytokine production induced by IL-22 in HaCaT cells. *J Int Med Res.* 2018 Dec;46(12):5210-5218.
56. Mu G,Gao Y,Tuo Y,Li H,Zhang Y,Qian F,Jiang SAssessing and comparing antioxidant activities of lactobacilli strains by using different chemical and cellular antioxidant methods. *J Dairy Sci.* 2018 Dec;101(12):10792-10806.
57. Guo G,Wang H,Shi X,Ye L,Wu K,Lin K,Ye S,Li B,Zhang H,Lin Q,Ye S,Xue X,Chen CNovelmiRNA-25 inhibits AMPD2 in peripheral blood mononuclear cells of patients with systemic lupus erythematosus and represents a promising novel biomarker. *J Transl Med.* 2018 Dec 22;16(1):370.
58. Yao Y,Yu H,Liu Y,Xu Q,Li X,Meng X,Huang C,Li JPSTPIP2 Inhibits the Inflammatory Response and Proliferation of Fibroblast-Like Synoviocytes in vitro. *Front Pharmacol.* 2018 Dec 4;9:1432.
59. Zhang S,Qi F,Fang X,Yang D,Hu H,Huang Q,Kuang C,Yang Q. Tryptophan 2,3-dioxygenase inhibitory activities of tryptanthrin derivatives. *Eur J Med Chem.* 2018 Dec 5;160:133-145.
60. Liu XR,Zhou LH,Hu JX,Liu LM,Wan HP,Zhang XQUNC0638, a G9a inhibitor, suppresses epithelial-mesenchymal transition-mediated cellular migration and invasion in triple negative breast cancer. *Mol Med Rep.* 2018 Feb;17(2):2239-2244.
61. Zhou M,Yang LJ,Yang WR,Huang LB,Zhou XM,Jiang SZ,Yang ZBEffects of zearalenone on the localization and expression of the growth hormone receptor gene in the uteri of post-weaning piglets. *ASIAN AUSTRAL J ANIM.* 2018 Jan;31(1):32-39.
62. Liu LT,Liang L,Wang W,Yan CQ,Zhang J,Xiao YC,Ye L,Zhao MX,Huang QS,Bian JJ,Shi ZF,Ke X,Zhang ZRIsolarciresinol-9'-O- α -L-arabinofuranoside protects against hydrogen peroxide-induced apoptosis of human umbilical vein endothelial cells via a PI3K/Akt/Bad-dependent pathway. *Mol Med Rep.* 2018 Jan;17(1):488-494
63. Guo G,Ye S,Xie S,Ye L,Lin C,Yang M,Shi X,Wang F,Li B,Li M,Chen C,Zhang L,Zhang H,Xue XThe cytomegalovirus protein US31 induces inflammation through mono-macrophages in systemic lupus erythematosus by promoting NF- κ B2 activation.. *Cell Death Dis.* 2018 Jan 24;9(2):104.
64. Xu J,Zhu L,Liu H,Li M,Liu Y,Yang F,Pei ZThymoquinone reduces cardiac damage caused by hypercholesterolemia in apolipoprotein E-deficient mice. *Lipids Health Dis.* 2018 Jul 26;17(1):173.
65. Xu L,Du B,Lu QJ,Fan XW,Tang K,Yang L,Liao WL. miR-541 suppresses proliferation and invasion of squamous cell lung carcinoma cell lines via directly targeting high-mobility group AT-hook 2. *Cancer Med-us.* 2018 Jun;7(6):2581-2591.
66. Xing FZ,Zhao YG,Zhang YY,He L,Zhao JK,Liu MY,Liu Y,Zhang JQ. Nuclear and membrane estrogen receptor antagonists induce similar mTORC2 activation-reversible changes in synaptic protein expression and actin polymerization in the mouse hippocampus. *CNS Neurosci Ther.* 2018 Jun;24(6):495-507.
67. Miao C,Chang J,Zhang G,Yu H,Zhou L,Zhou G,Zhao CCUL4B promotes the pathology of adjuvant-induced arthritis in rats through the canonical Wnt signaling. *J Mol Med.* 2018 Jun;96(6):495-511.
68. Wen Q,Mei L,Ye S,Liu X,Xu Q,Miao J,Du S,Chen D,Li C,Li HChrysophanol demonstrates anti-inflammatory properties in LPS-primed RAW 264.7 macrophages through activating PPAR- γ . *Int Immunopharmacol.* 2018 Mar;56:90-97.
69. Chen L,Zhou D,Liu Z,Huang X,Liu Q,Kang Y,Chen Z,Guo Y,Zhu H,Sun CCombination of gemcitabine and erlotinib inhibits recurrent pancreatic cancer growth in mice via the JAK-STAT pathway. *Oncol Rep.* 2018 Mar;39(3):1081-1089.
70. Yu C,Liu Y,Qin ZMetadherin contributes to epithelial-mesenchymal transition and paclitaxel resistance induced by acidic extracellular pH in nasopharyngeal carcinoma. *Oncol Lett.* 2018 Mar;15(3):3858-3863.
71. Wang Y,Chen S,Xu Z,Chen S,Yao W,Gao XGLP-1 receptor agonists downregulate aberrant GnT-III expression in Alzheimer's disease models through the Akt/GSK-3 β / β -catenin signaling. *Neuropharmacology.* 2018 Mar 15;131:190-199.
72. Song Z,Yang F,Du H,Li X,Liu J,Dong M,Xu XRole of artemin in non-small cell lung cancer. *Thorac Cancer.* 2018 May;9(5):555-562.

73. Wang ZL,Chen LB,Qiu Z,Chen XB,Liu Y,Li J,Wang L,Wang YPGinsenoside Rg1 ameliorates testicular senescence changes in D-gal-induced aging mice via anti-inflammatory and antioxidative mechanisms. *Mol Med Rep.* 2018 May;17(5):6269-6276.
74. Zhao Z,Zhao Y,Zhuang XY,Lo WC,Baker MAB,Lo CJ,Bai FFrequent pauses in *Escherichia coli* flagella elongation revealed by single cell real-time fluorescence imaging. *Nat Commun.* 2018 May 14;9(1):1885.
75. Luo C,Zhao S,Dai W,Zheng N,Wang JProteomic analyses reveal GNG12 regulates cell growth and casein synthesis by activating the Leu-mediated mTORC1 signaling pathway. *Bba-Proteins Proteom.* 2018 Nov;1866(11):1092-1101.
76. Zhang J,Jiao K,Liu J,Xia YMetformin reverses the resistance mechanism of lung adenocarcinoma cells that knocks down the Nrf2 gene. *Oncol Lett.* 2018 Nov;16(5):6071-6080.
77. Xu T,Dong Z,Wang X,Qi S,Li X,Cheng R,Liu X,Zhang Y,Gao MQIL-1 β induces increased tight junction permeability in bovine mammary epithelial cells via the IL-1 β -ERK1/2-MLCK axis upon blood-milk barrier damage. *J Cell Biochem.* 2018 Nov;119(11):9028-9041.
78. PSTPIP2 connects DNA methylation to macrophage polarization in CCL4-induced mouse model of hepatic fibrosis. *Oncogene.* 2018 Nov;37(47):6119-6135.
79. Feng Y,Guo X,Huang X,Wu M,Li X,Wu S,Luo XMetformin reverses stem cell-like HepG2 sphere formation and resistance to sorafenib by attenuating epithelial-mesenchymal transformation. *Mol Med Rep.* 2018 Oct;18(4):3866-3872.
80. Yang Z,Jia H,Bai Y,Wang WBone morphogenetic protein 4 expression in the developing lumbosacral spinal cord of rat embryos with anorectal malformations. *Int J Dev Neurosci.* 2018 Oct;69:32-38.
81. Zhou Y,Liu H,Song J,Cao L,Tang L,Qi CSinomenine alleviates dextran sulfate sodium-induced colitis via the Nrf2/NQO-1 signaling pathway. *Mol Med Rep.* 2018 Oct;18(4):3691-3698.
82. Fu Y,Niu D,Su W,Yang Q,Wang W,Tang B,Li Z,Zhang D,Mao Y,Li C,Li X,Ye S,Su X,Xu F,Sun X,Chen CEffets of Ca²⁺/calmodulin-dependent protein kinase pathway inhibitor KN93 on osteoclastogenesis. *Int J Mol Med.* 2018 Oct;42(4):2294-2302.
83. Xu T,Pan LX,Ge YX,Li P,Meng XM,Huang C,Li JTMEM88 mediates inflammatory cytokines secretion by regulating JNK/P38 and canonical Wnt/ β -catenin signaling pathway in LX-2 cells. *Inflammopharmacology.* 2018 Oct;26(5):1339-1348.
84. Liu H,Sun Y,Zhang Y,Yang G,Guo L,Zhao Y,Pei ZRole of Thymoquinone in Cardiac Damage Caused by Sepsis from BALB/c Mice. *Inflammation.* 2018 Oct 20.
85. Tan Z,Zhang W,Sun J,Fu Z,Ke X,Zheng C,Zhang Y,Li P,Liu Y,Hu Q,Wang H,Zheng ZZIKV infection activates the IRE1-XBP1 and ATF6 pathways of unfolded protein response in neural cells. *J Neuroinflamm.* 2018 Sep 21;15(1):275.
86. Gao H,Liu C,Li WAssessing Autophagy in the Leydig Cells. *Mol Ther-Meth Clin D.* 2019;1854:71-85.
87. Li J,He Q,Li Q,Huang R,Wei X,Pan X,Wu WDecreased expression of Na⁺-H⁺ exchanger isoforms 1 and 3 in denervated spontaneously hypertensive rat kidney. *Clin Exp Hypertens.* 2019;41(3):235-243.
88. Li G,Song X,Li R,Sun L,Gong X,Chen C,Yang LZyxin-involved actin regulation is essential in the maintenance of vinculin focal adhesion and chondrocyte differentiation status. *Cell Proliferat.* 2019 Jan;52(1):e12532.
89. Wang YM,Liu HX,Fang NYHigh Glucose Concentration Impairs 5-PAHSA Activity by Inhibiting AMP-Activated Protein Kinase Activation and Promoting Nuclear Factor-Kappa-B-Mediated Inflammation. *Front Pharmacol.* 2019 Jan 7;9:1491.
90. Kong X,Dong X,Yang S,Qian J,Yang J,Jiang Q,Li X,Wang B,Yan D,Lu S,Zhu L,Li G,Lv M,Yi S,Deng M,Sun L,Zhou X,Mao H,Gou XNatural selection on TMPRSS6 associated with the blunted erythropoiesis and improved blood viscosity in Tibetan pigs. *Comp Biochem Phys B.* 2019 Mar 15. pii: S1096-4959(18)30324-5.

Version 2020.03.13