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AF555标记驴抗兔IgG (H+L)

产品编号	产品名称	包装
A0453	AF555标记驴抗兔IgG (H+L)	100µl

产品简介:

- 本AF555标记驴抗兔IgG (H+L) (AF555-labeled Donkey Anti-Rabbit IgG (H+L))为进口分装, 用于免疫荧光染色。
- AF染料是一系列由香豆素(Coumarin)、罗丹明(Rhodamine)、黄嘌呤(Xanthene)和花青(Cyanine)等传统染料经磺化(Sulfonation)和额外的化学修饰而合成的荧光染料, 由Molecular Probes公司研发并注册了商标Alexa Fluor。相应的荧光探针例如Alexa Fluor 488常被简称为AF488, 甚至直接被简称为488。AF系列染料具有以下优点: 家族成员众多, 激发和发射光谱跨越可见光到红外光, 具有蓝色到红色各种荧光颜色, 可选择性强; 相较于合成AF的原始染料, 磺化使染料带负电并具有亲水性, 无需使用有机溶剂即可与靶标偶联, 所得偶联物在储存期内不易沉淀; 化学修饰提高了染料的性能, 使染料具有更好的光稳定性和信号强度, 用户有更多的时间采集、捕捉荧光信号, 也更适合低丰度靶标的检测; 具有优良的生物相容性和低毒性[1]; pH敏感性更低, 在4-10的宽pH范围内保持高荧光强度, 化学稳定性强。AF系列染料可广泛用作抗体和其它蛋白质的标记, 是荧光显微镜、流式细胞术、荧光酶标仪等基于荧光的应用中的最常用的一类荧光染料。
- AF555是一种常用的非常明亮的红色荧光探针。它比绝大部分常用的红色荧光探针更加明亮, 更加不容易淬灭, 而且背景更低。AF555的荧光光谱和Cy3非常接近。AF555的吸收(激发)和发射峰参见下表。

Fluorophore	Absorption Peak (nm)	Emission Peak (nm)
AF555	555	565

- 本抗体为用纯化的兔IgG免疫驴, 然后用亲和纯化柱对获得的抗血清进行纯化, 并经过人IgG、小鼠IgG和大鼠IgG吸附纯化的优质二抗。
- 本AF555标记驴抗兔IgG (H+L)用于免疫荧光染色时的推荐稀释比例为1:500。实际实验操作过程中需根据抗原和抗体的具体情况适当调节荧光标记二抗的稀释比例, 推荐的调节范围为1:200-1000。
- 本抗体如果用于常规的免疫染色, 以每次检测需1毫升1:500稀释的荧光标记二抗计, 至少可以检测50次。如果适当重复使用已经使用过的荧光标记二抗, 至少可以多检测150-250次。

包装清单:

产品编号	产品名称	包装
A0453	AF555标记驴抗兔IgG (H+L)	100µl
—	说明书	1份

保存条件:

-20°C避光保存, 一年有效。

注意事项:

- 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:

1. 免疫荧光染色请参考相关实验步骤进行。起始稀释浓度按照产品简介中推荐的稀释比例进行稀释。
2. 如果希望重复使用稀释的荧光标记二抗, 稀释的荧光标记二抗4°C保存。

参考文献:

1. Ostad SN, Babaei S, Bayat AA, Mahmoudian J. Monoclon Antib Immunodiagn Immunother. 2019. 38(1):25-29.

使用本产品的文献:

1. Yingjian Huang, Yuqian Wang, Yan Wang, Ning Wang, Qiqi Duan, Shengbang Wang, Meng Liu, Muhammad Ahsan Bilal, Yan Zheng . LPCAT1 Promotes Cutaneous Squamous Cell Carcinoma via EGFR-Mediated Protein Kinase B/p38MAPK Signaling Pathways J Invest Dermatol. 2022 Feb;142(2):303-313.e9.
2. Xiao T, Zhong W, Zhao J, Qian B, Liu H, Chen S, Qiao K, Lei Y, Zong S, Wang H, Liang Y, Zhang H, Meng J, Zhou H, Sun T, Liu Y, Yang C . Polyphyllin I suppresses the formation of vasculogenic mimicry via Twist1/VE-cadherin pathway. Cell Death Dis. 2018 Sep 5;9(9):906.
3. Yunfan Luo, Jie Wang, Fan Wang, Xiong Liu, Juan Lu, Xiaoxiao Yu, Xuemin Ma, Xiaohong Peng, Xiangping Li . Foxq1 promotes metastasis of nasopharyngeal carcinoma by inducing vasculogenic

- mimicry via the EGFR signaling pathway *Cell Death Dis.* 2021 Apr 19;12(5):411.
4. Gong Z, Pan J, Shen Q, Li M, Peng Y . Mitochondrial dysfunction induces NLRP3 inflammasome activation during cerebral ischemia/reperfusion injury. *J NEUROINFLAMM.* 2018 Aug 28;15(1):242.
 5. Chenliang Zhou, Zhichang Zhang, Xiaoshi Zhu, Guwei Qian, Yan Zhou, Yong Sun, Wenxi Yu, Jiahui Wang, Haiyang Lu, Feng Lin, Zan Shen, Shuier Zheng . N6-Methyladenosine modification of the TRIM7 positively regulates tumorigenesis and chemoresistance in osteosarcoma through ubiquitination of BRMS1 *EBioMedicine.* 2020 Sep;59:102955.
 6. Zhang J, Liu Y, Liu X, Li S, Cheng C, Chen S, Le W . Dynamic changes of CX3CL1/CX3CR1 axis during microglial activation and motor neuron loss in the spinal cord of ALS mouse model. *Transl Neurodegener.* 2018 Dec 21;7:35.
 7. Ling Yang, Yu-Wei Zhang, Yang Liu, Ying-Zhou Xie, Dong Weng, Bao-Xue Ge, Hai-Peng Liu, Jin-Fu Xu . *Pseudomonas aeruginosa* Induces Interferon- β Production to Promote Intracellular Survival *Microbiol Spectr.* 2022 Oct 26;10(5):e0155022.
 8. Feng Wei, Sang Ba, Mei Jin, Ren Ci, Xuelian Wang, Fusheng E, Ziwen Long . RNF180 Inhibits Proliferation and Promotes Apoptosis of Colorectal Cancer Through Ubiquitination of WISP1 *Front Cell Dev Biol.* 2021 Jan 22;8:623455.
 9. He Y, Huang J, Wang P, Shen X, Li S, Yang L, Liu W, Suksamrarn A, Zhang G, Wang F . . Emodin potentiates the antiproliferative effect of interferon α/β by activation of JAK/STAT pathwaysignaling through inhibition of the 26S proteasome. *ONCOTARGET.* 2016 Jan 26;7(4):4664-79.
 10. Yu DJ, Wang XJ, Shi YF, Jiang CY, Zhao RZ, Zhu YP, Chen L, Yang YQ, Sun XW, Xia SJ . Macrophages are targets of retinoic acid signaling during the wound-healing process afterthulium laser resection of the prostate. *ONCOTARGET.* 2017 May 26;8(42):71996-72007.
 11. Xiao YX, Shen HQ, She ZY, Sheng L, Chen QQ, Chu YL, Tan FQ, Yang WX . C-terminal kinesin motor KIF1C1 participates in facilitating proper cell division of humanseminoma. *ONCOTARGET.* 2017 May 24;8(37):61373-61384.
 12. Hong D, Ding J, Li O, He Q, Ke M, Zhu M, Liu L, Ou WB, He Y, Wu Y . Human-induced pluripotent stem cell-derived macrophages and their immunological function in response to tuberculosis infection. *Stem Cell Res Ther.* 2018 Feb 26;9(1):49.
 13. Si Huang, Haiyan Yuan, Wenqun Li, Xinyi Liu, Xiaojie Zhang, Daxiong Xiang, Shilin Luo . *Polygonatum sibiricum* Polysaccharides Protect against MPP-Induced Neurotoxicity via the Akt/mTOR and Nrf2 Pathways *Oxid Med Cell Longev.* 2021 Jan 13;2021:8843899.
 14. Ye ZL, Huang Y, Li LF, Zhu HL, Gao HX, Liu H, Lv SQ, Xu ZH, Zheng LN, Liu T, Zhang JL, Jin HJ, Qian QJ . Argonaute 2 promotes angiogenesis via the PTEN/VEGF signaling pathway in human hepatocellular carcinoma. *Acta Pharmacol Sin.* 2015 Oct;36(10):1237-45.
 15. Guan Y, Guo L, Yang E, Liao Y, Liu L, Che Y, Zhang Y, Wang L, Wang J, Li Q . HSV-1 nucleocapsid egress mediated by UL31 in association with UL34 is impeded by cellular transmembrane protein 140. *Virology.* 2014 Jul 15;464-465C:1-10.
 16. Zou Z, Xu Y, Ma B, Xiang Z, He N . BmECM25, from the silkworm *Bombyx mori*, is an extracellular matrix protein. *INSECT BIOCHEM MOLEC.* 2015 Oct;65:68-74. (I
 17. Wu J, Zhang H, Hu B, Yang L, Wang P, Wang F, Meng X . . Coptisine from *Coptis chinensis* inhibits production of inflammatory mediators in lipopolysaccharide-stimulated RAW 264.7 murine macrophage cells. *Eur J Pharmacol.* 2016 Jun 5;780:106-14.
 18. Xu T, Yu X, Wang T, Liu Y, Liu X, Ou S, Chen Y . The effect of CXCR2 inhibition on seizure activity in the pilocarpine epilepsy mouse model. *Brain Res Bull.* 2017 Sep;134:91-98.
 19. Gong Z, Pan J, Li X, Wang H, He L, Peng Y . Hydroxysafflor Yellow A Reprograms TLR9 Signalling Pathway in Ischaemic Cortex after Cerebral Ischaemia and Reperfusion. *CNS NEUROL DISORD-DR.* 2018;17(5):370-382.
 20. Zhang SF, Xie CL, Lin JY, Wang MH, Wang XJ, Liu ZG . Lipoic acid alleviates L-DOPA-induced dyskinesia in 6-OHDA parkinsonian rats via anti-oxidative stress. *Mol Med Rep.* 2018 Jan;17(1):1118-1124.
 21. He F, Yang Z, Dong X, Fang Z, Liu Q, Hu X, Yi S, Li L . The role of HCN channels in peristaltic dysfunction in human ureteral tuberculosis. *Int Urol Nephrol.* 2018 Apr;50(4):639-645.
 22. Yu X, Xu T, Ou S, Yuan J, Deng J, Li R, Yang J, Liu X, Li Q, Chen Y . Endophilin A1 mediates seizure activity via regulation of AMPARs in a PTZ-kindled epileptic mouse model. *Exp Neurol.* 2018 Jun;304:41-57.
 23. Li X, Wu Y, Xie F, Zhang F, Zhang S, Zhou J, Chen D, Liu A . miR-339-5p negatively regulates loureirin A-induced hair follicle stem cell differentiation by targeting DLX5. *Mol Med Rep.* 2018 Aug;18(2):1279-1286.
 24. Gao Y, Sun N, Wang L, Wu Y, Ma L, Hong J, Ren J, Zhu B, Yu L, Yan M . Bioinformatics Analysis Identifies p53 as a Candidate Prognostic Biomarker for Neuropathic Pain. *Front Genet.* 2018 Aug 31;9:320.
 25. Gao Z, Hu J, Wang X, Yang Q, Liang Y, Ma C, Liu D, Liu K, Hao X, Gu M, Liu X, Jiao XA, Liu X . The PA-interacting host protein nucleolin acts as an antiviral factor during highly pathogenic H5N1 avian influenza virus infection. *Arch Virol.* 2018 Oct;163(10):2775-2786.
 26. Zhao J, Zou H, Han C, Ma J, Zhao J, Tang J . Circular RNA BARD1 (Hsa_circ_0001098) overexpression in breast cancer cells with TCDD treatment could promote cell apoptosis via miR-3942/BARD1 axis. *Cell Cycle.* 2018 Dec 6.
 27. Wang C, Gu L, Ruan Y, Geng X, Xu M, Yang N, Yu L, Jiang Y, Zhu C, Yang Y, Zhou Y, Guan X, Luo W, Liu Q, Dong X, Yu G, Lan L, Tang Z . Facilitation of MrgprD by TRP-A1 promotes neuropathic pain. *FASEB J.* 2019 Jan;33(1):1360-1373.
 28. Wang S, Ji LY, Li L, Li JM . Oxidative stress, autophagy and pyroptosis in the neovascularization of oxygen-induced retinopathy in mice. *Mol Med Rep.* 2019 Feb 19(2):927-934.
 29. Guo X, Lin M, Yan W, Chen W, Hong G . A novel splice mutation induces exon skipping of the EXT1 gene in patients with hereditary multiple exostoses. *Int J Oncol.* 2019 Mar 54(3):859-868.
 30. Cao L, Zhang X, Yuan S, Cheng K, Zhang X . Autophagy induced by enterovirus 71 regulates the production of IL-6 through the p38MAPK and ERK signaling pathways. *MICROB PATHOGENESIS.* 2019 Jun 131:120-127.
 31. He Y, Moqbel SAA, Xu L, Ran J, Ma C, Xu K, Bao J, Jiang L, Chen W, Xiong Y, Wu L . Costunolide inhibits matrix metalloproteinases expression and osteoarthritis via the NF- κ B and Wnt/ β -catenin signaling pathways. *Mol Med Rep.* 2019 Jul 20(1):312-322.
 32. Zhang T, Wu C, Yang X, Liu Y, Yang H, Yuan L, Liu Y, Sun S, Yang J . Pseudoginsenoside-F11 Protects against Transient Cerebral Ischemia Injury in Rats Involving Repressing Calcium Overload. *Neuroscience.* 2019 Jul 15 411:86-104.
 33. Xu S, Ni H, Chen H, Dai Q . The interaction between STAT3 and nAChR α 1 interferes with nicotine-induced atherosclerosis via Akt/mTOR signaling cascade. *AGING-US.* 2019 Oct 14 11(19):8120-8138.
 34. Shen Y, Xu L, Ning Z, Liu L, Lin J, Chen H, Meng Z . ARHGAP4 regulates the cell migration and invasion of pancreatic cancer by the HDAC2/ β -catenin signaling pathway. *Carcinogenesis.* 2019 Nov 25

- 40(11):1405-1414.
35. Wei YL, Yang T, Kovacs T, Yang WX . C-terminal kinesin motor es-KIFC1 regulates nuclear formation during spermiogenesis in Chinese mitten crab *Eriocheir sinensis*. *Gene*. 2019 Nov 30 719:144074.
 36. Jinpeng Lv, Ying Fu, Yan Cao, Songzhou Jiang, Ying Yang, Guoqiang Song, Changjun Yun, Rongyin Gao . Isoliquiritigenin inhibits melanogenesis, melanocyte dendricity and melanosome transport by regulating ERK-mediated MITF degradation *Exp Dermatol*. 2020 Feb;29(2):149-157.
 37. Zhen-Yu She, Yue-Ling Li, Yang Lin, Ming-Hui Lu, Ya-Lan Wei, Kai-Wei Yu, Ning Zhong, Yu Xiao . Kinesin-6 family motor KIF20A regulates central spindle assembly and acrosome biogenesis in mouse spermatogenesis *BBA-MOL CELL RES*. 2020 Apr;1867(4):118636.
 38. Jialing Peng, Hongxuan Wang, Zhe Gong, Xiangpen Li, Lei He, Qingyu Shen, Jingrui Pan, Ying Peng . Idebenone attenuates cerebral inflammatory injury in ischemia and reperfusion via dampening NLRP3 inflammasome activity *Mol Immunol*. 2020 Jul;123:74-87.
 39. Tingting Song, Weiren Yang, Libo Huang, Zaibin Yang, Shuzhen Jiang . Zearalenone exposure affects the Wnt/ β -catenin signaling pathway and related genes of porcine endometrial epithelial cells in vitro *ASIAN AUSTRAL J ANIM*. 2020 Aug 24.
 40. Dong Ding, Xiao Yang, Hui-Qin Luan, Xin-Tong Wu, Lian-Wen Sun, Yu-Bo Fan . The microgravity induces the ciliary shortening and an increased ratio of anterograde/retrograde intraflagellar transport of osteocytes *BIOCHEM BIOPH RES CO*. 2020 Sep 10;530(1):167-172.
 41. Jinpeng Lv, Xiaohong An, Songzhou Jiang, Ying Yang, Guoqiang Song, Rongyin Gao . Protoporphyrin IX Stimulates Melanogenesis, Melanocyte Dendricity, and Melanosome Transport Through the cGMP/PKG Pathway *Front Pharmacol*. 2020 Sep 11;11:569368.
 42. Xu Liu, Tong Li, Xinyang Huang, Wei Wu, Juanjuan Li, Lumin Wei, Yuting Qian, Hui Xu, Qi Wang, Lifu Wang . DEPDC1B promotes migration and invasion in pancreatic ductal adenocarcinoma by activating the Akt/GSK3 β /Snail pathway *Oncol Lett*. 2020 Nov;20(5):146.
 43. Xin Xue, Liang Zhang, Xiang Yin, Xing-Xing Chen, Zong-Feng Chen, Chen-Xu Wang, Yu Xiang, Ming-Yong Liu, Jian-Hua Zhao . Transplantation of neural stem cells preconditioned with high-mobility group box 1 facilitates functional recovery after spinal cord injury in rats *Mol Med Rep*. 2020 Dec;22(6):4725-4733.
 44. Fuxin Jiang, Jian Ren, Yachai Gao, Jinna Wang, Yiping Zhao, Fengying Dai . Legumain-induced intracerebrally crosslinked vesicles for suppressing efflux transport of Alzheimer's disease multi-drug nanosystem *Bioact Mater*. 2020 Dec 2;6(6):1750-1764.
 45. X Q Hu, Y Tang, Y Ju, X Y Zhang, J J Yan, C M Wang, Y Yang, C Zhu, Z X Tang, Y Zhou, G Yu . Scratching damages tight junctions through the Akt-claudin 1 axis in atopic dermatitis *Clin Exp Dermatol*. 2021 Jan;46(1):74-81.
 46. Ruiyu Wang, Linqian Peng, Dingyi Lv, Feifei Shang, Jianghong Yan, Guoxing Li, Dan Li, Jing Ouyang, Jiadan Yang . Leonurine Attenuates Myocardial Fibrosis Through Upregulation of miR-29a-3p in Mice Post-myocardial Infarction *J Cardiovasc Pharmacol*. 2021 Feb 1;77(2):189-199.
 47. Hongqing Chen, Fei Fei, Xinda Li, Zhenguo Nie, Dezhi Zhou, Libiao Liu, Jing Zhang, Haitao Zhang, Zhou Fei, Tao Xu . A structure-supporting, self-healing, and high permeating hydrogel bioink for establishment of diverse homogeneous tissue-like constructs *Bioact Mater*. 2021 Mar 23;6(10):3580-3595.
 48. Kaixin Zhu, Yibai Zhu, Xiaoxiang Hou, Wen Chen, Xiaolin Qu, Yelei Zhang, Zhenxing Li, Chunhui Wang, Jigang Chen, Liqian Lv, Junyu Wang, Danfeng Zhang, Lijun Hou . NETs Lead to Sympathetic Hyperactivity After Traumatic Brain Injury Through the LL37-Hippo/MST1 Pathway *Front Neurosci*. 2021 Apr 29;15:621477.
 49. Jinjin Yan, Fan Ye, Ying Ju, Dijun Wang, Jiao Chen, Xinyu Zhang, Zhi Yin, Changming Wang, Yan Yang, Chan Zhu, Yuan Zhou, Peng Cao, Yang Xu, Guang Yu, Zongxiang Tang . Cimifugin relieves pruritus in psoriasis by inhibiting TRPV4 Cell Calcium. 2021 May 25;97:102429.
 50. Jing-Wei Xing, Man-Man Chen, Xin-Yun Tian, Dan-Qing Pan, Xiu-Hua Peng, Peng-Fei Gao . 919 syrup inhibits ROS-mediated leptin-induced anorexia by activating PPAR γ and improves gut flora abnormalities *Biomed Pharmacother*. 2021 Jun;138:111455.
 51. Bing Xu, Hui Chen, Zhipeng Xu, Xijuan Yao, Xinchun Sun, Hongyan Cheng . CDCA2 promotes tumorigenesis and induces radioresistance in oesophageal squamous cell carcinoma cells *Mol Med Rep*. 2021 Jul;24(1):530.
 52. Yongsheng Zhong, Yibo Wang, Zhuoyi He, Zhengrong Lin, Na Pang, Lili Niu, Yanwu Guo, Min Pan, Long Meng . Closed-loop wearable ultrasound deep brain stimulation system based on EEG in mice *J Neural Eng*. 2021 Aug 31;18(4).
 53. Bei Li, Junjian Yu, Peipei Liu, Taohui Zeng, Xueliang Zeng . Astragaloside IV protects cardiomyocytes against hypoxia injury via HIF-1 α and the JAK2/STAT3 pathway *Ann Transl Med*. 2021 Sep;9(18):1435.
 54. Yan Qi, Shilei Chen, Yukai Lu, Zihao Zhang, Song Wang, Naicheng Chen, Mingqiang Shen, Fang Chen, Mo Chen, Yong Quan, Lijing Yang, Yang Xu, Yongping Su, Mengjia Hu, Junping Wang . Grape seed proanthocyanidin extract ameliorates ionizing radiation-induced hematopoietic stem progenitor cell injury by regulating Foxo1 in mice *Free Radic Biol Med*. 2021 Oct;174:144-156.
 55. Dabao Yao, Shuo Zhang, Zhengwei Hu, Haiyang Luo, Chengyuan Mao, Yu Fan, Mibo Tang, Fen Liu, Si Shen, Liyuan Fan, Mengjie Li, Jingjing Shi, Jiadi Li, Dongrui Ma, Yuming Xu, Changhe Shi . CHIP ameliorates cerebral ischemia-reperfusion injury by attenuating necroptosis and inflammation *Aging (Albany NY)*. 2021 Dec 14;13(23):25564-25577.
 56. Xiaoxiao Gao, Xiaolei Yao, Xiaodan Li, Yaxu Liang, Zifei Liu, Zhibo Wang, Kang Li, Yingqi Li, Guomin Zhang, Feng Wang . Roles of WNT6 in Sheep Endometrial Epithelial Cell Cycle Progression and Uterine Glands Organogenesis *Vet Sci*. 2021 Dec 9;8(12):316.
 57. Yonglan Ruan, Jinying Ling, Fan Ye, Nuo Cheng, Fei Wu, Zongxiang Tang, Xiaolan Cheng, Hongquan Liu . Paeoniflorin alleviates CFA-induced inflammatory pain by inhibiting TRPV1 and succinate/SUCNR1-HIF-1 α /NLRP3 pathway *Int Immunopharmacol*. 2021 Dec;101(Pt B):108364.
 58. Mingtai Gui, Lei Yao, Bo Lu, Jing Wang, Xunjie Zhou, Jianhua Li, Zhenhua Dong, Deyu Fu . Huoxue Qianyang Qutan recipe attenuates Ang II-induced cardiomyocyte hypertrophy by regulating reactive oxygen species production *Exp Ther Med*. 2021 Dec;22(6):1446.
 59. Weiping Li, Mengying Mao, Nan Hu, Jia Wang, Jing Huang, Shensheng Gu . In vitro evaluation of periapical lesion-derived stem cells for dental pulp tissue engineering *FEBS Open Bio*. 2022 Jan;12(1):270-284.
 60. He-Ao Zhang, Chun-Xu Yuan, Ke-Fu Liu, Qi-Fan Yang, Juan Zhao, Hui Li, Qing-Hu Yang, Da Song, Zhen-Zhen Quan, Hong Qing . Neural stem cell transplantation alleviates functional cognitive deficits in a mouse model of tauopathy *Neural Regen Res*. 2022 Jan;17(1):152-162.
 61. Hui Zheng, Zhihuang Qiu, Tianci Chai, Jian He, Yuling Zhang, Chaoyun Wang, Jianqiang Ye, Xiaohui Wu, Yumei Li, Li Zhang, Liangwan Chen . Insulin Resistance Promotes the Formation of Aortic Dissection by Inducing the Phenotypic Switch of Vascular Smooth Muscle Cells *Front Cardiovasc Med*. 2022 Feb 3;8:732122.
 62. Xingchao Wang, Jianfeng Zhang, Baoying Hu, Fei Qian . High

- Expression of CSF-1R Predicts Poor Prognosis and CSF-1Rhigh Tumor-Associated Macrophages Inhibit Anti-Tumor Immunity in Colon Adenocarcinoma *Front Oncol.* 2022 Apr 4;12:850767.
63. Chunyuan Tang, Ying Zhou, Wen Sun, Haihong Hu, Yuxi Liu, Lu Chen, Fengting Ou, Su Zeng, Nengming Lin, Lushan Yu . Oncopeptide MBOP Encoded by LINC01234 Promotes Colorectal Cancer through MAPK Signaling Pathway *Cancers (Basel).* 2022 May 9;14(9):2338.
64. Withdrawal *Cell Biol Int.* 2022 Jun;46(6):993.
65. Jing-Jing Sun, Qin Cai, Miao Xu, Yan-Na Liu, Wan-Rui Li, Juan Li, Li Ma, Cheng Cai, Xiao-Hui Gong, Yi-Tao Zeng, Zhao-Rui Ren, Fanyi Zeng . Loss of Protein Function Causing Severe Phenotypes of Female-Restricted Wieacker Wolff Syndrome due to a Novel Nonsense Mutation in the ZC4H2 Gene *Genes (Basel).* 2022 Aug 29;13(9):1558.
66. Yiyang Hou, Haibo Huang, Wei Gong, Ran Wang, Wanying He, Xinchuang Wang, Jiangning Hu . Co-assembling of natural drug-food homologous molecule into composite hydrogel for accelerating diabetic wound healing *Biomater Adv.* 2022 Sep;140:213034.
67. Kai-Wen Ren, Xiao-Hong Yu, Yu-Hui Gu, Xin Xie, Yu Wang, Shi-Hao Wang, Hui-Hua Li, Hai-Lian Bi . Cardiac-specific knockdown of Bhlhe40 attenuates angiotensin II (Ang II)-Induced atrial fibrillation in mice *Front Cardiovasc Med.* 2022 Oct 11;9:957903.

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