



磷酸酶抑制剂混合物通用型 (100x)
Phosphatase Inhibitor Cocktail(All-in-One,100x)
货号: P1260

产品描述:

组织细胞在裂解过程中会释放大量的内源性蛋白磷酸酶,以各种方式催化磷酸化蛋白的去磷酸化。本品包含6种独立的蛋白磷酸酶抑制剂,每一种可特异性抑制一种或几种蛋白磷酸酶活性,包括蛋白丝/苏氨酸磷酸酶(PP1、PP2A、PP2B、PP2C)、蛋白酪氨酸磷酸酶(PTPs)、碱性磷酸酶、酸性磷酸酶等。该混合物为100倍浓缩水溶液,可按比例直接加入任何类型组织和细胞的裂解液和裂解产物中,有效抑制磷酸化蛋白质的去磷酸化,从而维持蛋白的磷酸化状态。

产品适用:

适用于Western Blot和免疫共沉淀检测磷酸化蛋白质、测定蛋白激酶活性等实验。

产品组成:

产品名称	规格	储存和效期
磷酸酶抑制剂混合物通用型(100x)	1ml	2-8°C保存,一年有效
	1ml*5	

操作步骤:

- 1.计算样本裂解或保存所需试剂的体积;
- 2.按1:99比例加入所需试剂中,混合均匀进行后续操作。

产品说明:

- 1.蛋白提取时,尽量低温环境,操作快速同时加入蛋白酶抑制剂混合物(P1275);
- 2.本产品仅限专业人员用于科学研究,不得用于临床诊断或治疗。

相关产品推荐

货号	产品名称
P1275	蛋白酶抑制剂混合物通用型(Cocktail,100x in DMSO)
C1053+	加强型RIPA裂解液
AP0001	UltraGel宽范围高分辨配胶试剂盒(全能胶)
P1050	Super ECL Plus超敏发光液(强)
C1240	一抗稀释液(通用型)
P1650	膜再生液(抗体去除液、抗体剥离液)温和型

使用本产品发表SCI文章节选:

- 1.Li, F., Si, W., Xia, L. et al. Positive feedback regulation between glycolysis and histone lactylation drives oncogenesis in pancreatic ductal adenocarcinoma. Mol Cancer 23, 90 (2024) (IF:27.7)
- 2.Zheng, X., Zhang, Y., Zhang, L. et al. Tauroolithocholic acid protects against viral haemorrhagic fever via inhibition of ferroptosis. Nat Microbiol 9, 2583–2599 (2024) (IF:20.5)
- 3.Liu, X., Si, W., He, L. et al. The existence of a nonclassical TCA cycle in the nucleus that wires the metabolic-epigenetic circuitry. Sig Transduct Target Ther 6, 375 (2021) (IF:18.2)
- 4.Wang T, Zhang W, Chen W, et al. As4S4 nanoparticles promote effective terminal erythropoiesis in bone marrow mononuclear cells from patients with myelodysplastic syndromes[J].Nano Today, 2023, 52(000):12 (IF:17.4)
- 5.Zhou, W., Wang, W., Liang, Y. et al. The RNA-binding protein LRPPRC promotes resistance to CDK4/6 inhibition in lung cancer. Nat Commun 14, 4212 (2023) (IF:16.6)
- 6.He L, Yu C, et al. The proteasome component PSMD14 drives myelomagenesis through a histone deubiquitinase activity[J].Molecular cell, 2023, 83(22):4000-4016 (IF:16.0)
- 7.Zhou, J., Wang, S., Lou, J. et al. FGF4-FGFR1 signaling promotes podocyte survival and glomerular function to ameliorate diabetic kidney disease in male mice. Nat Commun 16, 10430 (2025) (IF:15.7)



- 8.He, L., Liu, X., Yang, J. et al. Imbalance of the reciprocally inhibitory loop between the ubiquitin-specific protease USP43 and EGFR-PI3K/AKT drives breast carcinogenesis. *Cell Res* 28, 934–951 (2018) (IF:15.4)
- 9.Zhao, Z., Ning, J., Bao, Xq. et al. Fecal microbiota transplantation protects rotenone-induced Parkinson's disease mice via suppressing inflammation mediated by the lipopolysaccharide-TLR4 signaling pathway through the microbiota-gut-brain axis. *Microbiome* 9, 226 (2021). (IF:14.7)
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- 11.W. Yan, H. Wu, Y. Wu, et al. Exercise Induced Endothelial Mesenchymal Transition (EndMT) Facilitates Meniscal Fibrocartilage Regeneration. *Adv. Sci.* 2024, 11, 2403788 (IF:14.3)
- 12.J.-M. Chen, G. Shi, L.-L. Yu, et al. 3-HKA Promotes Vascular Remodeling After Stroke by Modulating the Activation of A1/A2 Reactive Astrocytes. *Adv. Sci.* 2025, 12, 2412667 (IF:14.1)
- 13.L. Xia, J. Wang, H. Xue, H. et al. A CMTM6 Nanobody Overcomes EGFR-TKI Resistance in Non-Small Cell Lung Cancer. *Adv. Sci.* 2025, 14, 2410945 (IF:14.1)
- 14.Yan W, Maimaitimin M, Wu Y, et al. Meniscal fibrocartilage regeneration inspired by meniscal maturational and regenerative process. *Sci Adv.* 2023 Nov 10;9(45):eadg8138 (IF:13.6)
- 15.Liu L, Zhong S, Zhou T, et al. Dysregulated ITGA3/FAK/YAP axis mediates impaired alveolar type II epithelial cells function in COPD. *J Adv Res.* 2025 Nov 19:S2090-1232(25)00929-4 (IF:13.0)
- 16.Zhang W, Jiang M, Liao X, et al. IFIT3 inhibits Epstein-Barr virus reactivation via upregulating innate immunity. *J Med Virol.* 2023; 95:e29237 (IF:12.7)
- 17.X. Dong, Y. Lu, Q. Hu, et al. Engineered Exosome-Loaded Silk Fibroin Composite Hydrogels Promote Tissue Repair in Spinal Cord Injury Via Immune Checkpoint Blockade. *Small* 2025, 21, 2412170 (IF:12.1)
- 18.Zhe Z , Fang-Yuan L I , Jing-Wen N ,et al. Novel compound FLZ alleviates rotenone-induced Parkinson disease model by suppressing TLR4/MyD88/NF-κB pathway through microbiota-gut-brain axis[J].*中国药理学与毒理学杂志*, 2021, 35(9):657-657 (IF:11.6)
- 19.Lv, L., Shi, Y., Deng, Z. et al. A polymeric nanocarrier that eradicates breast cancer stem cells and delivers chemotherapeutic drugs. *Biomater Res* 27, 133 (2023) (IF:11.3)
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- 21.Xu S , Zhang M , Fang X ,et al. CD123 Antagonistic Peptides Assembled with Nanomicelles Act as Monotherapeutics to Combat Refractory Acute Myeloid Leukemia[J].*[2025-12-12]* (IF:10.4)
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- 23.Wang D, Zhang L, Hu A, et al. Loss of 4.1N in epithelial ovarian cancer results in EMT and matrix-detached cell death resistance. *Protein Cell.* 2021 Feb;12(2):107-127 (IF:10.2)
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- 27.An X, Ma L, Bai Y, et al. Nuciferine Attenuates Cancer Cachexia-Induced Muscle Wasting in Mice via HSP90AA1. *J Cachexia Sarcopenia Muscle.* 2025 Apr;16(2):e13777 (IF:9.5)
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- 31.Ma K, Fu W, Tang M, et al. PTK2-mediated degradation of ATG3 impedes cancer cells susceptible to DNA damage treatment. *Autophagy.* 2017 Mar 4;13(3):579-591 (IF:8.6)
32. Shen M, Lu J, Li C, et al. Punicalagin inhibits excessive autophagy and improves cerebral function in neonatal rats with hypoxia-ischemia brain injury by regulating AKT-FOXO4. *Phytomedicine.* 2025 Jan;136:156330 (IF:8.3)
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