

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

ERK1/2 antibody

RRID:AB_10603369

Type: Antibody

Proper Citation

Proteintech Cat# 16443-1-AP, RRID:AB_10603369

Antibody Information

URL: http://antibodyregistry.org/AB_10603369

Proper Citation: Proteintech Cat# 16443-1-AP, RRID:AB_10603369

Target Antigen: ERK1/2

Host Organism: rabbit

Clonality: polyclonal

Comments: Originating manufacturer of this product.
Applications: WB, IHC, IF, ELISA

Antibody Name: ERK1/2 antibody

Description: This polyclonal targets ERK1/2

Target Organism: rat, pig, mouse, astragalus membranaceus, chicks, human, a. sphaerocephala krasch, sheep

Antibody ID: AB_10603369

Vendor: Proteintech

Catalog Number: 16443-1-AP

Record Creation Time: 20231110T071306+0000

Record Last Update: 20260829T020859+0000

Ratings and Alerts

- Head-to-head comparison of available commercial antibodies against Mitogenactivated protein kinase 1 (MAPK1) by immunoblot (Western blot), immunoprecipitation and immunofluorescence. - YCHarOS <https://ycharos.com/>

No alerts have been found for ERK1/2 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Liu J, et al. (2025) REG3A promotes gemcitabine resistance in pancreatic cancer via the GPR54/ARRB2/ERK1/2 ligand-directed signaling pathway. Biochemical pharmacology, 242(Pt 2), 117322.

Li A, et al. (2025) Lactylation of LSD1 is an acquired epigenetic vulnerability of BRAFi/MEKi-resistant melanoma. Developmental cell, 60(14), 1974.

Inyang HO, et al. (2025) D-ribose-L-cysteine Attenuates manganese-induced Oxidative Stress, Neuromorphological Deficits, Bax/Bcl-2 Response and TNF- α /ERK Signalling in Rats. Neurochemical research, 50(4), 223.

Li T, et al. (2024) Serotonin Receptor HTR2B Facilitates Colorectal Cancer Metastasis via CREB1-ZEB1 Axis-Mediated Epithelial-Mesenchymal Transition. Molecular cancer research : MCR, 22(6), 538.

Li H, et al. (2024) Intracellular magnetic hyperthermia reverses sorafenib resistance in hepatocellular carcinoma through its action on signaling pathways. iScience, 27(6), 110029.

Wang Y, et al. (2024) CXCL3/TGF- β -mediated crosstalk between CAFs and tumor cells augments RCC progression and sunitinib resistance. iScience, 27(7), 110224.

Kuang H, et al. (2023) A homozygous variant in INTS11 links mitosis and neurogenesis defects to a severe neurodevelopmental disorder. Cell reports, 42(12), 113445.

Zuo T, et al. (2023) Macrophage-Derived Cathepsin S Remodels the Extracellular Matrix to Promote Liver Fibrogenesis. Gastroenterology, 165(3), 746.

Cao C, et al. (2022) GCN5 participates in KLF4-VEGFA feedback to promote endometrial angiogenesis. iScience, 25(7), 104509.

Luo F, et al. (2022) Inhibition of CSPG receptor PTP α promotes migration of newly born neuroblasts, axonal sprouting, and recovery from stroke. Cell reports, 40(4), 111137.

Li H, et al. (2021) Halofuginone Sensitizes Lung Cancer Organoids to Cisplatin via Suppressing PI3K/AKT and MAPK Signaling Pathways. *Frontiers in cell and developmental biology*, 9, 773048.

Shopit A, et al. (2021) Enhancement of gemcitabine efficacy by K73-03 via epigenetically regulation of miR-421/SPINK1 in gemcitabine resistant pancreatic cancer cells. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 91, 153711.

Hou TY, et al. (2020) Correcting abnormalities in miR-124/PTPN1 signaling rescues tau pathology in Alzheimer's disease. *Journal of neurochemistry*, 154(4), 441.

Xu W, et al. (2019) CD146 Regulates Growth Factor-Induced mTORC2 Activity Independent of the PI3K and mTORC1 Pathways. *Cell reports*, 29(5), 1311.