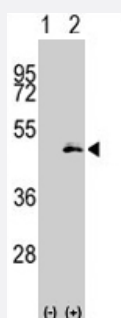


MAP2K1 polyclonal antibody

Catalog # PAB2118

Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of MAP2K1 (arrow) using MAP2K1 polyclonal antibody (Cat # PAB2118). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP2K1 gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAP2K1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding of S218 human MAP2K1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of MAP2K1 (arrow) using MAP2K1 polyclonal antibody (Cat # PAB2118). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP2K1 gene (Lane 2) (Origene Technologies).

Gene Info — MAP2K1

Entrez GeneID [5604](#)

Protein Accession# [Q02750](#)

Gene Name MAP2K1

Gene Alias MAPKK1, MEK1, MKK1, PRKMK1

Gene Description mitogen-activated protein kinase kinase 1

Omim ID [176872](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. [provided by RefSeq]

Other Designations protein kinase, mitogen-activated, kinase 1 (MAP kinase kinase 1)

Publication Reference

- [Distribution, levels, and activation of MEK1 in Alzheimer's disease.](#)

Zhu X, Sun Z, Lee HG, Siedlak SL, Perry G, Smith MA.

Journal of Neurochemistry 2003 Jul; 86(1):136.

- [p38 Mitogen-activated protein kinase pathway suppresses cell survival by inducing dephosphorylation of mitogen-activated protein/extracellular signal-regulated kinase1,2.](#)

Li SP, Junttila MR, Han J, Kahari VM, Westermarck J.

Cancer Research 2003 Jul; 63(13):3473.

- [MEK/ERK pathway is aberrantly active in Hodgkin disease: a signaling pathway shared by CD30, CD40, and RANK that regulates cell proliferation and survival.](#)

Zheng B, Fiumara P, Li YV, Georgakis G, Snell V, Younes M, Vauthey JN, Carbone A, Younes A.

Blood 2003 Apr; 102(3):1019.

Pathway

- [Acute myeloid leukemia](#)
- [B cell receptor signaling pathway](#)
- [Bladder cancer](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Dorso-ventral axis formation](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Long-term depression](#)

- [Long-term potentiation](#)
- [MAPK signaling pathway](#)
- [Melanogenesis](#)
- [Melanoma](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prion diseases](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)
- [Thyroid cancer](#)
- [Toll-like receptor signaling pathway](#)
- [Vascular smooth muscle contraction](#)
- [VEGF signaling pathway](#)

Disease

- [Abnormalities](#)
- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Cognition Disorders](#)
- [Developmental Disabilities](#)
- [Ectodermal Dysplasia](#)

- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Heart Defects](#)
- [LEOPARD Syndrome](#)
- [Lung Neoplasms](#)
- [Mental Retardation](#)
- [Noonan Syndrome](#)
- [Pancreatic Neoplasms](#)
- [Skin Abnormalities](#)
- [Syndrome](#)