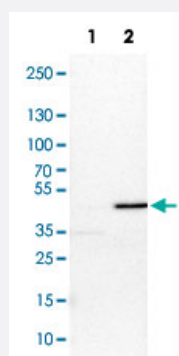


MAP2K1 polyclonal antibody

Catalog # PAB30869

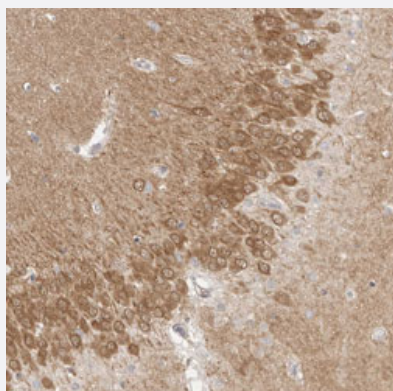
Size 100 uL

Applications



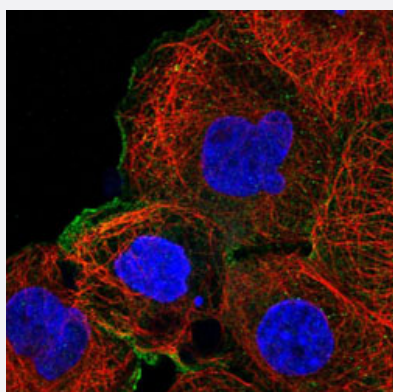
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with MAP2K1 polyclonal antibody (Cat # PAB30869).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus with MAP2K1 polyclonal antibody (Cat # PAB30869) shows moderate cytoplasmic positivity in neuronal cells.



Immunofluorescence

Immunofluorescent staining of A-431 cells with MAP2K1 polyclonal antibody (Cat # PAB30869) (Green) shows positivity in plasma membrane and cytoplasm.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human MAP2K1.
Immunogen	Recombinant protein corresponding to human MAP2K1.
Sequence	MPKKKPTPIQLNPAPDGSVNGTSSAETNLEALQKKLEELDEQQRKRLEAFLTQKQ
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumor cells) with MAP2K1 polyclonal antibody (Cat # PAB30869).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human hippocampus with MAP2K1 polyclonal antibody (Cat # PAB30869) shows moderate cytoplasmic positivity in neuronal cells.

- Immunofluorescence

Immunofluorescent staining of A-431 cells with MAP2K1 polyclonal antibody (Cat # PAB30869) (Green) shows positivity in plasma membrane and cytoplasm.

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

- [MEK1 is associated with carboplatin resistance and is a prognostic biomarker in epithelial ovarian cancer.](#)

Pénzváltó Z, Lánckzy A, Lénárt J, Meggyesházi N, Krenács T, Szoboszlai N, Denkert C, Pete I, Györfy B.

BMC Cancer 2014 Nov; 14:837.

Application: IHC-P, Human, Human epithelial ovarian cancer

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](#)