

Rabbit anti-Human MEK1 Monoclonal Antibody | anti-MAP2K1 antibody

MEK1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282741	Rabbit	Human	ELISA, Immunoprecipitation, Immunocytochemistry, Immunofluorescence, Western Blot

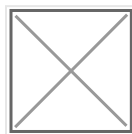
PRODUCT SYNONYMS

MEK1; Monoclonal Antibody; MEK1 Rabbit mAb; MEL; CFC3; MKK1; MAPKK1; PRKMK1; anti-MAP2K1 antibody

PRODUCT SPECIFICATIONS

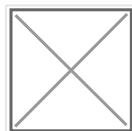
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MPKKKPTPIQ LNPAPDGS AV NGTSSAETNL EALQKKLEEL ELDEQQRKRL EAFLTQKQKV GELKDDDFEK ISELGAGNGG VVFKVSHKPS GLVMARKLIH
Applicable Applications for anti-MAP2K1 antibody	ELISA, IP (Immunoprecipitation), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MEK1 (Q02750).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



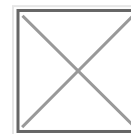
IP (Immunoprecipitation)

Immunoprecipitation analysis of 600 ug extracts of Mouse brain using 3 ug MEK1 antibody (AAA282741). Western blot was performed from the immunoprecipitate using MEK1 (AAA282741) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of various lysates using MEK1 Rabbit mAb (AAA282741) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1min.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using MEK1 Rabbit mAb (AAA282741). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K1 antibody	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.
Product Categories/Family for anti-MAP2K1 antibody	Protein phosphorylation ; Signal Transduction ; G protein signaling ; G-Protein-Coupled Receptors Signaling to MAPK Erk ; Kinase ; Tyrosine kinases ; ErbB-HER Signaling Pathway ; MAPK-Erk Signaling Pathway ; Cell Biology Developmental Biology ; Cytoskeleton ; Actin

NCBI AND UNIPROT INFORMATION

NCBI GI #	5579478
NCBI GeneID	5604
NCBI Accession #	NP_002746.1
NCBI GenBank Nucleotide #	NM_002755.3
UniProt Accession #	Q02750
Molecular Weight	Calculated MW: 43kDa Observed MW: 45kDa
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 1
UniProt Gene Name	MAP2K1
UniProt Synonym Gene Names	MEK1; PRKMK1; MAP kinase kinase 1; MAPKK 1; MKK1; MEK 1
UniProt Entry Name	MP2K1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mek1-antibody-immunoprecipitation-immunocytochemistry-immunofluorescence-western-blot-elisa/282741>