

Rabbit M3K13 Polyclonal Antibody | anti-MAP3K13 antibody

M3K13 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320962	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

M3K13; Polyclonal Antibody; M3K13 Antibody; EC 2.7.11.25; Leucine zipper bearing kinase; Leucine zipper-bearing kinase; LZK; M3K13_HUMAN; MAP3K13; MEKK13; MGC133196; Mitogen activated protein kinase kinase kinase 13; Mitogen-activated protein kinase kinase kinase 13; Mixed lineage kinase; MLK; OTTHUMP00000210397; anti-MAP3K13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	M3K13 antibody detects endogenous levels of total M3K13
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	966
Applicable Applications for anti-MAP3K13 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human M3K13
Subcellular Location	Cytoplasm. Membrane.
Tissue Specificity	Expressed in the adult brain, liver, placenta and pancreas, with expression strongest in the pancreas.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on 293 and HepG2 cell lysate using M3K13 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320962 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of M3K13 expression in Mouse brain lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K13 antibody

Description: LZK a TKL kinase of the MLK family. Synergizes with antioxidant protein-1 to activate NF-kappaB. Forms a functional signaling complex with JIP-1, a scaffold protein of the c-Jun NH(2)-terminal kinase pathway. This kinase can phosphorylate and activate JNK and MKK7.

Function: Activates the JUN N-terminal pathway through activation of the MAP kinase kinase MAP2K7. Acts synergistically with PRDX3 to regulate the activation of NF-kappa-B in the cytosol. This activation is kinase-dependent and involves activating the IKK complex, the IKBKB-containing complex that phosphorylates inhibitors of NF-kappa-B.

Subunit Structure: Homodimer; forms dimers through the leucine-zipper motif. Interacts with the C-terminus of MAPK8IP1 through the kinase catalytic domain. Binds PRDX3. Associates with the IKK complex through the kinase domain.

Post-translational Modifications: Autophosphorylated on serine and threonine residues.

Similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	334085268
NCBI GeneID	9175
NCBI Accession #	NP_001229243.1
NCBI GenBank Nucleotide #	NM_001242314.1
UniProt Accession #	O43283; Q05BY6; Q15450; Q2NKN3; B2R6U2; B4DLE3; B4DMV2; B4DZJ4; D3DNU1
Molecular Weight	Observed: 108 kDa Predicted: 109 kDa
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 13 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 13
NCBI Official Symbol	MAP3K13
NCBI Official Synonym Symbols	LZK; MLK; MEKK13
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 13
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 13
UniProt Gene Name	MAP3K13

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/polyclonal/m3k13-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/320962>