

Rabbit MAP3K2 Polyclonal Antibody | anti-MAP3K2 antibody

Phospho-MAP3K2 (Ser520) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329731	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MAP3K2; Polyclonal Antibody; Phospho-MAP3K2 (Ser520) Antibody; M3K2_HUMAN; Map3k2; MAPK/ERK kinase kinase 2; MEK kinase 2; MEKK 2; MEKK2b; Mitogen activated protein kinase kinase kinase 2; Mitogen-activated protein kinase kinase kinase 2; anti-MAP3K2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-MAP3K2 (Ser520) Antibody detects endogenous levels of MAP3K2 only when phosphorylated at Ser520.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-MAP3K2 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAP3K2 around the phosphorylation site of Ser520.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Autophosphorylated. Ubiquitination by XIAP/BIRC4 does not lead to proteasomal degradation.
Subunit Structure	Interacts with PKN2; the interaction activates PKN2 kinase activity in a MAP3K2-independent kinase activity (By similarity). Self-associates. Binds both upstream activators and downstream substrates in multimolecular complexes. Interacts (via the kinase catalytic domain) with STK38. Interacts with XIAP/BIRC4.
Similarity	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.
Subcellular Location	Cytoplasm. Nucleus. Note: Upon EGF stimulation, translocates into the nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisrty)
At 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemisrty)
At 1/200 staining Rat ganstric tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of MAP3K2 (Phospho-Ser520) using Na3VO4 treated HepG2 whole cell lysates. -/+ means absence or presence of N peptide(¼ non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from Hela cells(serum starvation treatment), using Phospho-MAP3K2 (Ser520) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K2 antibody	Component of a protein kinase signal transduction cascade. Regulates the JNK and ERK5 pathways by phosphorylating and activating MAP2K5 and MAP2K7 (By similarity). Plays a role in caveolae kiss-and-run dynamics.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	97536681
NCBI GeneID	10746
UniProt Accession #	Q9Y2U5; Q53QL9; Q53S75; Q59GZ6; Q8NC32; Q9NYK3; B9EG87
Molecular Weight	619
NCBI Official Full Name	Mitogen-activated protein kinase kinase kinase 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 2
NCBI Official Symbol	MAP3K2
NCBI Official Synonym Symbols	MEKK2; MEKK2B
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 2; MEKK 2; MEK kinase 2; MAP/ERK kinase kinase 2; MAPK/ERK kinase kinase 2
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 2
UniProt Gene Name	MAP3K2
UniProt Synonym Gene Names	MAPKKK2; MEKK2; MEK kinase 2; MEKK 2
UniProt Entry Name	M3K2_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/polyclonal/map3k2-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329731>