

Rabbit MEKK1 Polyclonal Antibody | anti-MEKK1 antibody

Phospho-MEKK1 (Thr1400) Antibody

CATALOG # AAA329255	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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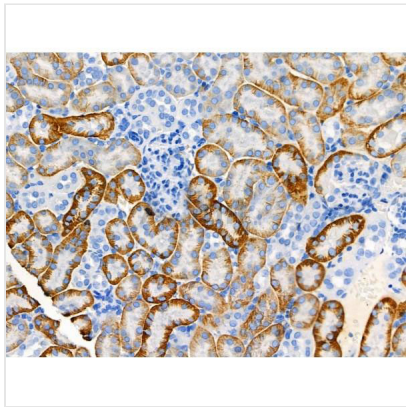
PRODUCT SYNONYMS

MEKK1; Polyclonal Antibody; Phospho-MEKK1 (Thr1400) Antibody; M3K1_HUMAN; MAP3K1; MAPK/ERK kinase kinase 1; MAPKKK1; MEK kinase 1; MEKK 1; Mekk; Mitogen activated protein kinase kinase kinase 1; E3 ubiquitin protein ligase; Mitogen-activated protein kinase kinase kinase 1; SRXY6; anti-MEKK1 antibody

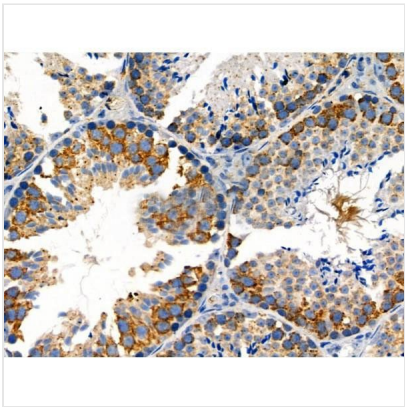
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-MEKK1 (Thr1400) Antibody detects endogenous levels of MEKK1 only when phosphorylated at Thr1400.
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-MEKK1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human MEKK1 around the phosphorylation site of Thr1400.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Autophosphorylated.
Subunit Structure	Binds both upstream activators and downstream substrates in multimolecular complexes through its N-terminus. Oligomerizes after binding MAP2K4 or TRAF2. Interacts with AXIN1. Interacts (via the kinase catalytic domain) with STK38. Interacts with GRIPAP1.
Similarity	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
Staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MEKK1 antibody	Component of a protein kinase signal transduction cascade. Activates the ERK and JNK kinase pathways by phosphorylation of MAP2K1 and MAP2K4. May phosphorylate the MAPK8/JNK1 kinase. Activates CHUK and IKKBK, the central protein kinases of the NF-kappa-B pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153945765
NCBI GeneID	4214
NCBI Accession #	NP_005912.1
NCBI GenBank Nucleotide #	NM_005921.1
UniProt Accession #	Q13233
Molecular Weight	161 kDa
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
NCBI Official Symbol	MAP3K1
NCBI Official Synonym Symbols	MEKK; MEKK1; SRXY6; MEKK 1; MAPKKK1
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 1; MEK kinase 1; MAP/ERK kinase kinase 1; MAPK/ERK kinase 1
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 1
UniProt Gene Name	MAP3K1
UniProt Synonym Gene Names	MAPKKK1; MEKK; MEKK1; MEK kinase 1; MEKK 1
UniProt Entry Name	M3K1_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.