

Rabbit MAP2K3 Polyclonal Antibody | anti-MAP2K3 antibody

MAP2K3 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199040	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Immunohistochemistry, Western Blot

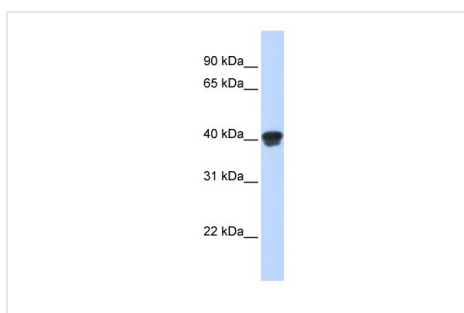
PRODUCT SYNONYMS

MAP2K3; Polyclonal Antibody; MAP2K3 antibody - N-terminal region; anti-MAP2K3 antibody

PRODUCT SPECIFICATIONS

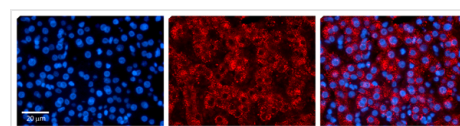
Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: SK PPAPNPTPPR NLDSRTFITI GDRNFEVEAD DLVTISELGR GAYGVVEK
Sequence Length	318
Applicable Applications for anti-MAP2K3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 86%; Dog: 93%; Goat: 100%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human MAP2K3
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-MAP2K3 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Transfected 293T



IHC (Immunohistochemistry)

MAP2K3 antibody - N-terminal region
Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue
Observed Staining: Cytoplasm in hepatocytes
Primary Antibody Concentration: 1:100
Other Working Concentrations: 1/600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K3 antibody	This is a rabbit polyclonal antibody against MAP2K3. It was validated on Western Blot using a cell lysate as a positive control. Target Description: MAP2K3 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene.
Product Categories/Family for anti-MAP2K3 antibody	Polyclonal; Transcription Regulation; Various; Tissue Specific & Cell Marker; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618347
NCBI GeneID	5606
NCBI Accession #	NP_002747
NCBI GenBank Nucleotide #	NM_002756
UniProt Accession #	P46734
Molecular Weight	36kDa
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 3 isoform A
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 3
NCBI Official Symbol	MAP2K3
NCBI Official Synonym Symbols	MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 3
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 3
UniProt Gene Name	MAP2K3
UniProt Synonym Gene Names	MEK3; MKK3; PRKMK3; SKK2; MAP kinase kinase 3; MAPKK 3; MEK 3; SAPK kinase 2; SAPKK-2; SAPKK2
UniProt Entry Name	MP2K3_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.