Rabbit MAP2K2 Polyclonal Antibody | anti-MAP2K2 antibody

MAP2K2 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199968	**Rabbit**	**Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

MAP2K2; Polyclonal Antibody; MAP2K2 antibody - C-terminal region; anti-MAP2K2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rat
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	Syntheticp eptideloca tedwithint hefollowin gregion:IK NPAERADLKM LTNHTFIKRS EVEEVDFAGW LCKTLRLNQP GTPTRTAV
Sequence Length	400
Applicable Applications for anti-MAP2K2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 92%; Horse: 93%; Human: 100%; Mouse: 85%; Pig: 93%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human MAP2K2
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.

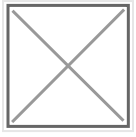
IMAGES



WB (Western Blot)
WB Suggested Anti-MAP2K2 Antibody Titration: 0.2-1 ug/mlPositive Control: HepG2 cell lysateThere is BioGPS gene expression data showing that MAP2K2 is expressed in HepG2



IHC (Immunohiostchemistry)
MAP2K2 antibody - C-terminal regionFormalin Fixed Paraffin Embedded Tissue: Human Lung TissueObserved Staining: Cytoplasm of pneumocytesPrimary Antibody Concentration: 1:600Secondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)
Human Pancreas

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K2 antibody	This is a rabbit polyclonal antibody against MAP2K2. It was validated on Western Blot and immunohistochemistry Target Description: MAP2K2 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in MAP2K2 gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-MAP2K2 antibody	Polyclonal; Various; Disease Related; Immunohistochemistry; Pathways In Cancer; Prostate Cancer; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489054
NCBI GeneID	5605
NCBI Accession #	NP_109587
NCBI GenBank Nucleotide #	NM_030662
UniProt Accession #	P36507
Molecular Weight	44kDa
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 2
NCBI Official Symbol	MAP2K2
NCBI Official Synonym Symbols	CFC4; MEK2; MKK2; MAPKK2; PRKMK2
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 2
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 2
UniProt Gene Name	**MAP2K2**
UniProt Synonym Gene Names	MEK2; MKK2; PRKMK2; MAP kinase kinase 2; MAPKK 2; MEK 2
UniProt Entry Name	MP2K2_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/map2k2-antibody-immunohistochemistry-western-blot-elisa/199968