

Rabbit anti-Human, Rat MAP3K4 Polyclonal Antibody | anti-MAP3K4 antibody

MAP3K4 Rabbit pAb

CATALOG # AAA281714	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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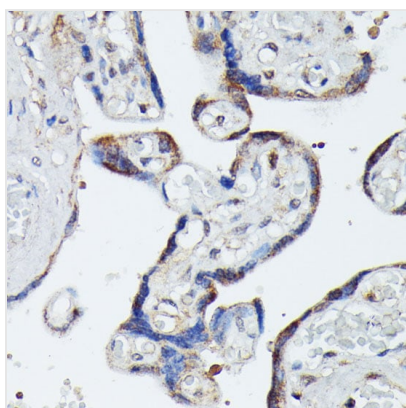
PRODUCT SYNONYMS

MAP3K4; Polyclonal Antibody; MAP3K4 Rabbit pAb; MAPKKK4; MEKK 4; MEKK4; MTK1; PRO0412; anti-MAP3K4 antibody

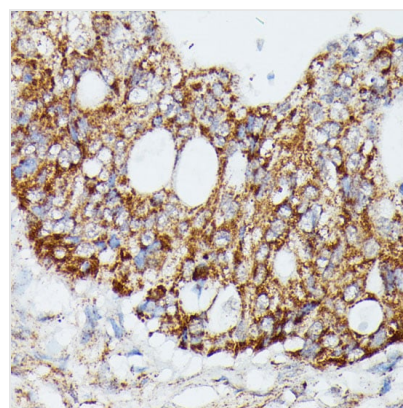
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MREAAAALVP PPAFAVTPAA AMEEPPPPPP PPPPPPEPET ESEPECCLAA RQEGTLGDSA CKSPESDLED FSDETNTENL YGTSPSTPR QMKRMSTKHQ
Applicable Applications for anti-MAP3K4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MAP3K4 (NP_005913.2).
Positive Samples	K-562, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

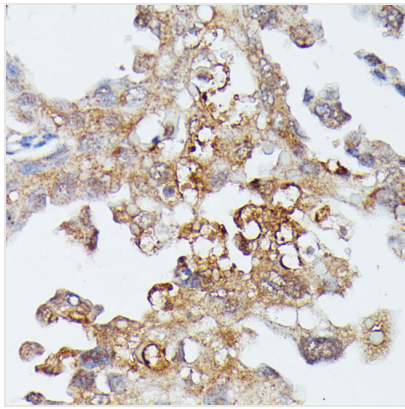
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using MAP3K4 antibody at dilution of 1:100 (40x lens).

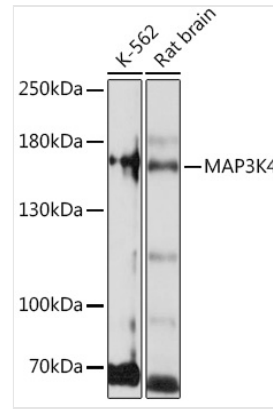

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using MAP3K4 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using MAP3K4 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MAP3K4 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K4 antibody	Background: The central core of each mitogen-activated protein kinase (MAPK) pathway is a conserved cascade of 3 protein kinases: an activated MAPK kinase kinase (MAPKKK) phosphorylates and activates a specific MAPK kinase (MAPKK), which then activates a specific MAPK. While the ERK MAPKs are activated by mitogenic stimulation, the CSBP2 and JNK MAPKs are activated by environmental stresses such as osmotic shock, UV irradiation, wound stress, and inflammatory factors. This gene encodes a MAPKKK, the MEKK4 protein, also called MTK1. This protein contains a protein kinase catalytic domain at the C terminus. The N-terminal nonkinase domain may contain a regulatory domain. Expression of MEKK4 in mammalian cells activated the CSBP2 and JNK MAPK pathways, but not the ERK pathway. In vitro kinase studies indicated that recombinant MEKK4 can specifically phosphorylate and activate PRKMK6 and SERK1, MAPKKs that activate CSBP2 and JNK, respectively but cannot phosphorylate PRKMK1, an MAPKK that activates ERKs. MEKK4 is a major mediator of environmental stresses that activate the CSBP2 MAPK pathway, and a minor mediator of the JNK pathway. Several alternatively spliced transcripts encoding distinct isoforms have been described.
Product Categories/Family for anti-MAP3K4 antibody	Signal Transduction; MAPK-JNK Signaling Pathway; Research; Signal Transduction; MAPK-P38 Signaling Pathway; Research; Cell Biology & Developmental Biology; Cytoskeleton; Actins; Research; Immunology & Inflammation; B Cell Receptor Signaling Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	55956904
NCBI GeneID	4216
NCBI Accession #	NP_005913.2
NCBI GenBank Nucleotide #	NM_005922.2
UniProt Accession #	Q9Y6R4; Q5VTT8; Q5VTT9; Q92612; Q9H408; A6H8W0; B7ZLD3; B9EG75
Molecular Weight	181,685 Da
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 4 isoform a
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 4
NCBI Official Symbol	MAP3K4
NCBI Official Synonym Symbols	MTK1; MEKK4; MAPKKK4; PRO0412
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 4; MEKK 4; MEK kinase 4; MAP three kinase 1; MAP/ERK kinase kinase 4; MAPK/ERK kinase kinase 4; predicted protein of HQ0412; SSK2/SSK22 MAP kinase kinase kinase, yeast, homolog of; dJ473J16.1 (mitogen-activat
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 4

UniProt Gene Name	MAP3K4
UniProt Synonym Gene Names	KIAA0213; MAPKKK4; MEKK4; MTK1; MEK kinase 4; MEKK 4
UniProt Entry Name	M3K4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/map3k4-antibody-immunohistochemistry-western-blot-elisa/281714>