Rabbit MAP3K4 Polyclonal Antibody | anti-MAP3K4 antibody

MAP3K4 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169751	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, ELISA**

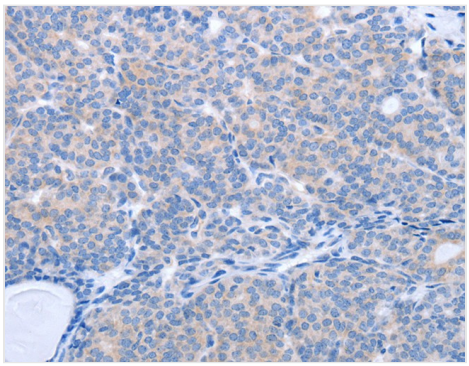
PRODUCT SYNONYMS

MAP3K4; Polyclonal Antibody; MAP3K4 Polyclonal Antibody; MTK1; MEKK4; MAPKKK4; PRO0412; anti-MAP3K4 antibody

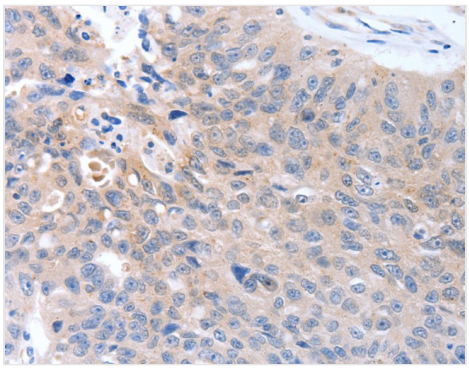
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1.3mg/mL (varies by lot)
Sequence Length	1604
Applicable Applications for anti-MAP3K4 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide of human MAP3K4
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MAP3K4 Polyclonal Antibody at dilution 1:40



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using MAP3K4 Polyclonal Antibody at dilution 1:40

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K4 antibody	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. Two alternatively spliced transcripts encoding distinct isoforms have been described.
Product Categories/Family for anti-MAP3K4 antibody	Epigenetics

NCBI AND UNIPROT INFORMATION

NCBI GI #	666637986
NCBI GeneID	4216
NCBI Accession #	NP_001288001.1
NCBI GenBank Nucleotide #	NM_001301072.1
Molecular Weight	177,014 Da
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 4 isoform d
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 4
NCBI Official Symbol	MAP3K4
NCBI Official Synonym Symbols	MTK1; MEKK4; MEKK 4; MAPKKK4; PRO0412
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 4; MAP three kinase 1; MAP/ERK kinase kinase 4; MAPK/ERK kinase kinase 4; MEK kinase 4; SSK2/SSK22 MAP kinase kinase kinase, yeast, homolog of; dJ473J16.1 (mitogen-activated protein kinase kinase kinase 4); predicted protein of HQ0412
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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/map3k4-antibody-immunohistochemistry-elisa/169751