

Rabbit Phospho-MAP3K12 Polyclonal Antibody | anti-MAP3K12 antibody

Phospho-MAP3K12 Antibody

CATALOG # AAA76016	HOST Rabbit	APPLICATIONS Western Blot, Immunoprecipitation, ELISA
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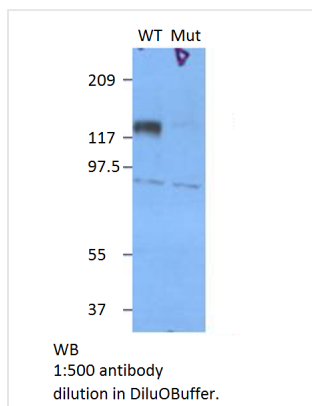
PRODUCT SYNONYMS

Phospho-MAP3K12; Polyclonal Antibody; Phospho-MAP3K12 Antibody; DLK; Dual leucine zipper bearing kinase; Dual leucine zipper kinase DLK; Map3k12; MAPK-upstream kinase; MEKK12; mitogen-activated protein kinase kinase kinase 12; Mixed lineage kinase; MUK; Protein kinase MUK; ZPK; ZPKP1 antibody; anti-MAP3K12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Concentration	0.75 mg/ml in antibody stabilization buffer (varies by lot)
Sequence Length	567
Applicable Applications for anti-MAP3K12 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 270-320 on MAP3K12 protein. Phosphorylated S298 & S302 residues.
Cross Reactivity	Human, Rat, Mouse
Preparation and Storage	-20 degree C for long term storage

IMAGES


WB (Western Blot)

1:500 Antibody dilution in DiluObuffer

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K12 antibody	Mitogen-activated protein kinase kinase kinase 12 (MAP3K 12) is a MAP kinase kinase kinase enzyme belonging to the serine/threonine protein kinase family (1). Located on human chromosome 12q13, it regulates the activity of various MAPKKs such as MAPKK7 and hence activating C-Jun N-terminal Kinase (JNK/SAPK). MAP3K12 associates with scaffold proteins, JIPs, which also interacts with MAPKK7 and JNK/SAPK (2). MAP3K12 protein is associated with dotted structures that are regularly located with Golgi apparatus and also along the microtubules (3). This protein contains two leucine-zipper-like motifs and interaction of MAP3K 12-binding inhibitory protein with one of these motifs deactivates this protein and induces activation of SAPK/JNK (4) MAP3K12 is also implicated in regulating radial cell migration via microtubule-based events. It has been reported that ectopic expression of this protein in neuronal precursor cells allows these cells to migrate from the ventricular zone and differentiate into neural cells (3). MAP3K12 was identified as a signaling molecule that is required for the regulation of keratinocyte terminal differentiation and cornification (5). While MAP3K12 is found in the epidermis, it is highly restricted to the neuronal cells in the central, peripheral and autonomic nervous systems. More specifically, it is localized in the axons of these cells (6). It has been shown that over-expression of MAP3K12 in cos-1 cells impairs the radial organization of microtubules without massive depolymerization. In humans, MAP3K12 is approximately a 68kDa protein (567 amino acids). In rat and mouse this protein weighs 107kDa (888 amino acids). The Phospho-MAP3K12 antibodies were generated using synthetic peptide corresponding to the human PMAP3K12 protein. Western blot positive control in ready-to-use SDS-sample buffer (PC-PMAP3K12) and antigenic blocking peptide (P-PMAP3K 12) are available. Antibodies can be conjugated with fluorescent probes or other secondary enzymes upon request at extra charge.
Product Categories/Family for anti-MAP3K12 antibody	Primary Antibodies; Protein Kinases; Serine/Threonine Kinases; MAPK Pathway; Phospho-MAP3K12 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	29476775
NCBI GeneID	7786
UniProt Accession #	Q12852; Q86VQ5; Q8WY25; B3KSS9; G3V1Y2
NCBI Official Full Name	MAP3K12 protein
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 12
NCBI Official Symbol	MAP3K12
NCBI Official Synonym Symbols	DLK; MUK; ZPK; ZPKP1; MEKK12
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 12
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 12
UniProt Gene Name	MAP3K12
UniProt Synonym Gene Names	ZPK; DLK; ZPK; MUK
UniProt Entry Name	M3K12_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/phospho-map3k12-antibody-western-blot-immunoprecipitation-elisa/76016>