

Rabbit MEKK1 Polyclonal Antibody | anti-MAP3K1 antibody

Anti-MEKK1 antibody

CATALOG # AAA45458	HOST Rabbit	REACTIVITY Reacts with: Human Predicted: Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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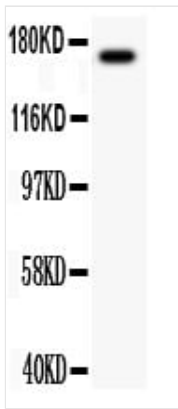
PRODUCT SYNONYMS

MEKK1; Polyclonal Antibody; Anti-MEKK1 antibody; Mitogen-activated protein kinase kinase kinase 1; mitogen-activated protein kinase kinase kinase 1; E3 ubiquitin protein ligase; M3K1_HUMAN antibody; MAP3K1 antibody; MAPK/ERK kinase kinase 1 antibody; MAPKKK1 antibody; MEK kinase 1 antibody; MEKK 1 antibody; MEKK antibody; MEKK1 antibody; Mitogen activated protein kinase kinase kinase 1 antibody; Mitogen activated protein kinase kinase kinase 1; E3 ubiquitin protein ligase antibody; Mitogen-activated protein kinase kinase kinase 1 antibody; SRXY6 antibody; anti-MAP3K1 antibody

PRODUCT SPECIFICATIONS

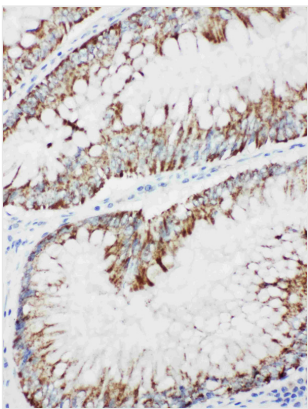
Host	Rabbit
Reactivity	Reacts with: Human Predicted: Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	1512
Applicable Applications for anti-MAP3K1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MEKK1 (1418-1432aa PEVLRGQQYGRSCDV), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-MEKK1 antibody, AAA45458, Western blottingAll lanes: Anti MEKK1 (AAA45458) at 0.5ug/mlWB: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 164KDObserved bind size: 164KD



IHC (Immunohistochemistry)

Anti-MEKK1 antibody, AAA45458, IHC(P)IHC(P): Human Intestinal Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K1 antibody	Description: Rabbit IgG polyclonal antibody for Mitogen-activated protein kinase kinase kinase 1(MAP3K1) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Background: MAP3K1(Mitogen-activated protein kinase kinase kinase 1), also known as MEKK1, MAPKKK1, MEK KINASE or MAP/ERK KINASE KINASE 1, is an enzyme that in humans is encoded by the MAP3K1 gene. Vinik et al.(1995) identified DNA sequence and size polymorphisms in intronic and 3-prime untranslated regions of the mouse Map3k1 gene and the human MAP3K1 homolog. Using these allele-specific polymorphisms, they mapped the Map3k1 gene in an intersubspecific backcross to mouse chromosome 13. They mapped the human MAP3K1 gene to chromosome 5 by somatic cell hybrid analysis. By assaying transfected COS-1 cells, Xia et al.(1998) showed that human MEKK1 activated JNK1(MAPK8) robustly and p38-alpha(MAPK14) less efficiently, but it had only a marginal effect on ERK2(MAPK1). MEKK1 directly and specifically interacted with JNKK1(MAP2K4) and activated JNKK1 in cells and in vitro. Phosphorylation of JNKK1 by MEKK1 disrupted their interaction. MEKK1 and JNK1 competed for binding to JNKK1. Xia et al.(1998) concluded that JNKK1 is the preferred MEKK1 substrate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218512139
NCBI GeneID	4214
UniProt Accession #	Q13233
Molecular Weight	164,470 Da
NCBI Official Full Name	Mitogen-activated protein kinase kinase kinase 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase
NCBI Official Symbol	MAP3K1
NCBI Official Synonym Symbols	MEKK; MEKK1; SRXY6; MEKK 1; MAPKKK1
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 1; MEK kinase 1; MAP/ERK kinase kinase 1; MAPK/ERK kinase 1
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 1
UniProt Gene Name	MAP3K1
UniProt Synonym Gene Names	MAPKKK1; MEKK; MEKK1; MEK kinase 1; MEKK 1
UniProt Entry Name	M3K1_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/mekek1-antibody-immunohistochemistry-western-blot-elisa/45458>