

Rabbit anti-Human MEK3 (MAP2K3) Polyclonal Antibody | anti-MAP2K3 antibody

MEK3 (MAP2K3) Antibody (N-term)

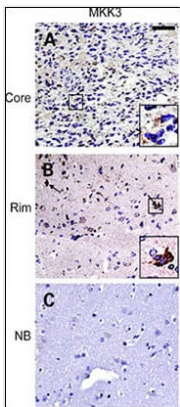
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287008	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

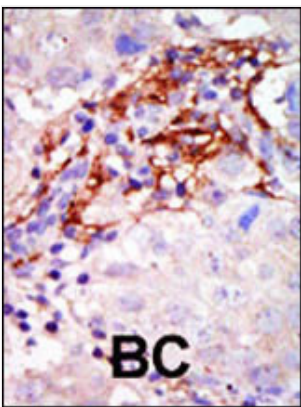
MEK3 (MAP2K3); Polyclonal Antibody; MEK3 (MAP2K3) Antibody (N-term); Dual specificity mitogen-activated protein kinase kinase 3; MAP kinase kinase 3; MAPKK 3; MAPK/ERK kinase 3; MEK 3; Stress-activated protein kinase kinase 2; SAPK kinase 2; SAPKK-2; SAPKK2; MAP2K3; MEK3; MKK3; PRKMK3; SKK2; anti-MAP2K3 antibody

PRODUCT SPECIFICATIONS

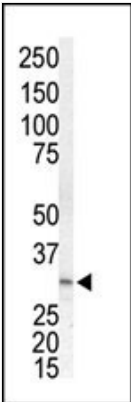
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MEK3 (MAP2K3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-45 amino acids from the N-terminal region of human MEK3 (MAP2K3).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.6 (varies by lot)
Sequence Positions	15-45
Sequence Length	318
Applicable Applications for anti-MAP2K3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
IHC of matched glioma core (top row) and rim (middle row) samples as well as normal brain control (bottom row) from a glioma invasion specific tissue microarray. Insets, individual tumor cells (black squares) are presented at higher magnification to facilitate interpretation of the staining pattern. Staining for MKK3 and pMKK3 exhibits strong signal in majority of invasive cells (B) compared with stationary cells from tumor core (A). Normal brain control shows only weak staining in reactive astrocytes (C).



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of anti-MKK3 Pab in Jurkat cell lysate. MKK3 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K3 antibody	MAP2K3 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis.
Product Categories/Family for anti-MAP2K3 antibody	Cancer; Cell Biology; Immunology; Signal Transduction; Phospho Antibodies
References	Yustein, J.T., et al., Oncogene 22(40):6129-6141 (2003). Edlund, S., et al., Mol. Biol. Cell 14(2):529-544 (2003). Lim, S., et al., J. Biol. Chem. 277(28):25040-25046 (2002). Han, Q., et al., J. Biol. Chem. 277(50):48379-48385 (2002). Wang, W., et al., Mol. Cell. Biol. 22(10):3389-3403 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21618347
NCBI GeneID	5606
NCBI Accession #	NP_002747.2; NP_659731.1
NCBI GenBank Nucleotide #	NM_002756.4
UniProt Accession #	P46734; Q99441; Q9UE71; Q9UE72; B3KSK7
Molecular Weight	39318
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 3 isoform A
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 3
NCBI Official Symbol	MAP2K3
NCBI Official Synonym Symbols	MEK3; MKK3; MAPKK3; PRKMK3; SAPKK2; SAPKK-2
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 3
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 3
UniProt Gene Name	MAP2K3
UniProt Synonym Gene Names	MEK3; MKK3; PRKMK3; SKK2; MAP kinase kinase 3; MAPKK 3; MEK 3; SAPK kinase 2; SAPKK-2; SAPKK2
UniProt Entry Name	MP2K3_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/mek3-map2k3-antibody-immunohistochemistry-western-blot-elisa/287008>