

Rabbit Bi-Phospho-MEK1 (S218/222) Polyclonal Antibody | anti-MAP2K1 antibody

Bi-Phospho-MEK1 (S218/222) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288138	Rabbit	Human (Predicted Reactivity: Mouse, Rat, Rabbit, Hamster, Chicken, Xenopus, C Elegans, Drosophila)	Immunohistochemistry, ELISA, Dot Blot

PRODUCT SYNONYMS

Bi-Phospho-MEK1 (S218/222); Polyclonal Antibody; Bi-Phospho-MEK1 (S218/222) Antibody; Dual specificity mitogen-activated protein kinase kinase 1; MAP kinase kinase 1; MAPKK 1; MKK1; ERK activator kinase 1; MAPK/ERK kinase 1; MEK 1; MAP2K1; MEK1; PRKMK1; anti-MAP2K1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat, Rabbit, Hamster, Chicken, Xenopus, C Elegans, Drosophila)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MEK1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S218/222 of human MEK1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Length	393
Applicable Applications for anti-MAP2K1 antibody	IHC (Immunohistochemistry), ELISA, DB (Dot 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.

IMAGES



IHC (Immunohistochemistry)

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.



DB (Dot Blot)

Dot blot analysis of anti-Phospho-MEK1 Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K1 antibody	MEK1 is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinases. The inhibition or degradation of this kinase is found to be involved in the pathogenesis of Yersinia and anthrax.
Product Categories/Family for anti-MAP2K1 antibody	Developmental Biology ; Signal Transduction ; Phospho Antibodies
References	Ohren, J.F., et al., J. Neural Transm. 11(12):1192-1197 (2004). Naegele, S., et al., J. Biol. Chem. 279(44):46023-46034 (2004). Ussar, S., et al., J. Biol. Chem. 279(42):43861-43869 (2004). Beausoleil, S.A., et al., Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135 (2004). Spence, H.J., et al., EMBO Rep. 5(5):484-489 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5579478
NCBI GeneID	5604
NCBI Accession #	NP_002746.1
NCBI GenBank Nucleotide #	NM_002755.3
UniProt Accession #	Q02750
Molecular Weight	43439
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 1
NCBI Official Symbol	MAP2K1
NCBI Official Synonym Symbols	CFC3; MEK1; MKK1; MAPKK1; PRKMK1
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 1
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 1
UniProt Gene Name	MAP2K1
UniProt Synonym Gene Names	MEK1; PRKMK1; MAP kinase kinase 1; MAPKK 1; MKK1; MEK 1
UniProt Entry Name	MP2K1_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/bi-phospho-mek1-s218-222-antibody-immunohistochemistry-dot-blot-elisa/288138>