

Rabbit Phospho-MEK1 (S222) Polyclonal Antibody | anti-MAP2K1 antibody

Phospho-MEK1 (S222) Antibody

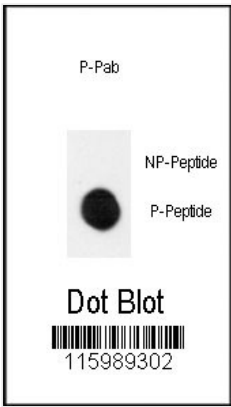
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290130	Rabbit	Human (Predicted Reactivity: Drosophila, Hamster, Mouse, Rabbit, Rat, Xenopus, Chicken)	Western Blot, ELISA, Dot Blot

PRODUCT SYNONYMS

Phospho-MEK1 (S222); Polyclonal Antibody; Phospho-MEK1 (S222) 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

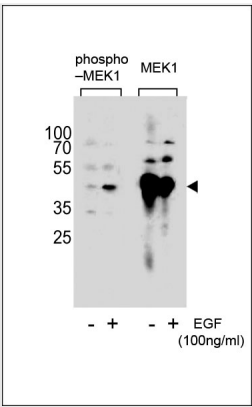
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Drosophila, Hamster, Mouse, Rabbit, Rat, Xenopus, Chicken)
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 S222 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: 0.5 (varies by lot)
Sequence Length	367
Applicable Applications for anti-MAP2K1 antibody	WB (Western Blot), ELISA, DB (Dot Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
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.



DB (Dot Blot)

Dot blot analysis of anti-Phospho-MEK1-pS222 Antibody on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.



WB (Western Blot)

Western blot analysis of extracts from A431 cell, untreated or treated with EGF?100ng/ml, using Phospho-MEK1-pS222(left) or MEK1-pS222 antibody(right).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K1 antibody	MEK1is 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 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	Crown Antibodies; Neuroscience; GPCR 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/phospho-mek1-s222-antibody-western-blot-dot-blot-elisa/290130>