

Rabbit MAP2K1 Polyclonal Antibody | anti-MAP2K1 antibody

MAP2K1 Antibody (T291)

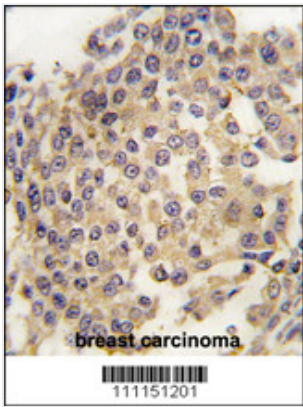
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287192	Rabbit	Human (Predicted Reactivity: Hamster, Mouse, Rabbit, Rat)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

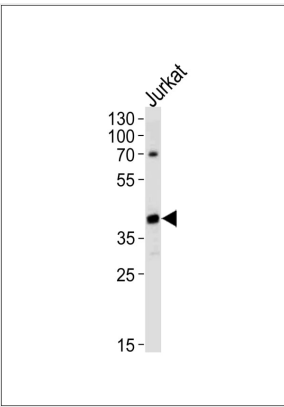
MAP2K1; Polyclonal Antibody; MAP2K1 Antibody (T291); Dual specificity mitogen-activated protein kinase kinase 1; MAP kinase kinase 1; MAPKK 1; MKK1; ERK activator kinase 1; MAPK/ERK kinase 1; MEK 1; MEK1; PRKMK1; anti-MAP2K1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rabbit, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAP2K1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 270-299 amino acids from human MAP2K1.
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: 0.32 (varies by lot)
Sequence Positions	270-299
Sequence Length	367
Applicable Applications for anti-MAP2K1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with MAP2K1 Antibody (T291) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
MAP2K1 Antibody (pT291) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the MAP2K1 antibody detected the MAP2K1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K1 antibody	MAP2K1 is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development.
Product Categories/Family for anti-MAP2K1 antibody	Crown Antibodies; Developmental Biology; Signal Transduction
References	Zheng, B., et al., Blood 102(3):1019-1027 (2003). Li, S.P., et al., Cancer Res. 63(13):3473-3477 (2003). Zhu, X., et al., J. Neurochem. 86(1):136-142 (2003). Fringer, J., et al., J. Biol. Chem. 278(23):20612-20617 (2003). Witowsky, J.A., et al., J. Biol. Chem. 278(3):1403-1406 (2003).

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://www.aaabiotech.com/polyclonal/map2k1-antibody-western-blot-immunohistochemistry-elisa/287192>