

Rabbit MAP2K2 Polyclonal Antibody | anti-MAP2K2 antibody

MAP2K2 Antibody (S222)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290217	Rabbit	Human (Predicted Reactivity: Drosophila, Hamster, Mouse, Rabbit, Rat, Xenopus, Chicken)	Immunohistochemistry, ELISA, Western Blot

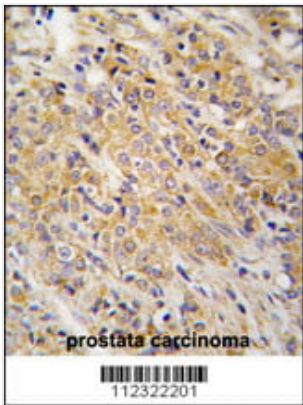
PRODUCT SYNONYMS

MAP2K2; Polyclonal Antibody; MAP2K2 Antibody (S222); Dual specificity mitogen-activated protein kinase kinase 2; MAP kinase kinase 2; MAPKK 2; ERK activator kinase 2; MAPK/ERK kinase 2; MEK 2; MEK2; MKK2; PRKMK2; anti-MAP2K2 antibody

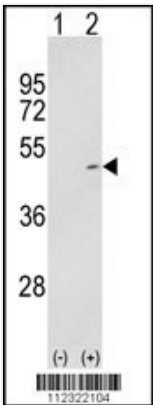
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Drosophila, Hamster, Mouse, Rabbit, Rat, Xenopus, Chicken)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MAP2K2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 200-229 amino acids from human MAP2K2.
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: 0.4 (varies by lot)
Sequence Positions	200-229
Sequence Length	400
Applicable Applications for anti-MAP2K2 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.

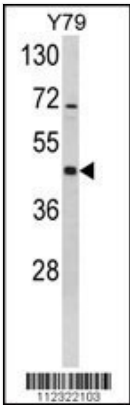
IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with MAP2K2 Antibody (S222) , 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)
Western blot analysis of MAP2K2 (arrow) using rabbit polyclonal MAP2K2-S222. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the MAP2K2 gene (Lane 2).



WB (Western Blot)
Western blot analysis of MAP2K2-S222 in Y79 cell line lysates (35ug/lane). MAP2K2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K2 antibody	MAP2K2 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 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-MAP2K2 antibody	Cancer; Signal Transduction
References	Burroughs, K.D., et al., Mol. Cancer Res. 1(4):312-322 (2003). Tran, H., et al., Mol. Cell. Biol. 23(20):7177-7188 (2003). Li, S.P., et al., Cancer Res. 63(13):3473-3477 (2003). Li, Y., et al., J. Biol. Chem. 278(16):13663-13671 (2003). Liu, X., et al., J. Biol. Chem. 277(42):39312-39319 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489054
NCBI GeneID	5605
NCBI Accession #	NP_109587.1

NCBI GenBank Nucleotide #	NM_030662.3
UniProt Accession #	P36507
Molecular Weight	44424
NCBI Official Full Name	dual specificity mitogen-activated protein kinase kinase 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase 2
NCBI Official Symbol	MAP2K2
NCBI Official Synonym Symbols	CFC4; MEK2; MKK2; MAPKK2; PRKMK2
NCBI Protein Information	dual specificity mitogen-activated protein kinase kinase 2
UniProt Protein Name	Dual specificity mitogen-activated protein kinase kinase 2
UniProt Gene Name	MAP2K2
UniProt Synonym Gene Names	MEK2; MKK2; PRKMK2; MAP kinase kinase 2; MAPKK 2; MEK 2
UniProt Entry Name	MP2K2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/map2k2-antibody-immunohistochemistry-western-blot-elisa/290217>