

Rabbit anti-Human, Mouse MAP2K2 Polyclonal Antibody | anti-MAP2K2 antibody

MAP2K2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305523	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

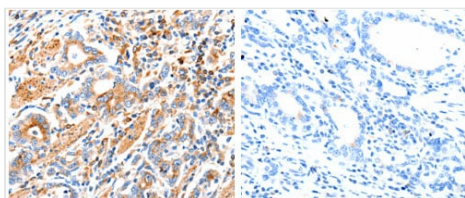
PRODUCT SYNONYMS

MAP2K2; Polyclonal Antibody; MAP2K2 Antibody; mitogen-activated protein kinase kinase 2; MEK2; MKK2; MAPKK2; PRKMK2; anti-MAP2K2 antibody

PRODUCT SPECIFICATIONS

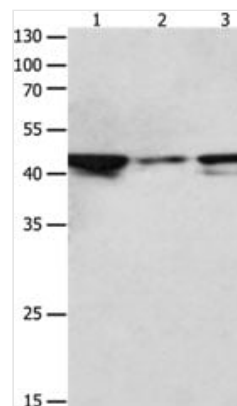
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total MAP2K2 protein.
Form/Format	Supplied at 3.8mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.3, 0.05% sodium azide and 50% glycerol.
Sequence Length	400
Applicable Applications for anti-MAP2K2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 20-34 amino acids of Human mitogen-activated protein kinase kinase 2
Target Name	MAP2K2
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 31232 (MAP2K2 Antibody) at dilution 1/100, on the right is treated with the synthetic peptide.



Application Data

Gel: 10%SDS-PAGE
Lane1: Hela cell lysate
Lane2: NIH/3T3 cell lysate
Lane3: Jurkat cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/1900 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 30 seconds

ADDITIONAL INFORMATION

Related Product Information for anti-MAP2K2 antibody	The protein encoded by this gene 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. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene.
Product Categories/Family for anti-MAP2K2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	13489054
NCBI GeneID	5605
NCBI Accession #	NP_109587
NCBI GenBank Nucleotide #	NM_030662.3
Molecular Weight	44,424 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/map2k2-antibody-immunohistochemistry-western-blot-elisa/305523>