

Rabbit anti-Human MLK2 Polyclonal Antibody | anti-MAP3K10 antibody

MLK2 Antibody (C-term)

CATALOG # AAA289934	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

MLK2; Polyclonal Antibody; MLK2 Antibody (C-term); Mitogen-activated protein kinase kinase kinase 10; Mixed lineage kinase 2; Protein kinase MST; MAP3K10; MST; anti-MAP3K10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MLK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 628-659 amino acids from the C-terminal region of human MLK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	628-659
Sequence Length	954
Applicable Applications for anti-MAP3K10 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 cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-MLK2 Pab is used in Western blot to detect MLK2 in transfected COS7 cell lysate. Data is kindly provided by Drs. M.K. Barthwal and A. Rana from Texas A&M University, Health Science Center (Temple, TX).

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K10 antibody	MLK2 is a member of the serine/threonine kinase family. This kinase has been shown to activate MAPK8/JNK and MKK4/SEK1, and this kinase itself can be phosphorylated, and thus activated by JNK kinases. This kinase functions preferentially on the JNK signaling pathway, and is reported to be involved in nerve growth factor (NGF) induced neuronal apoptosis.
Product Categories/Family for anti-MAP3K10 antibody	Cell Biology; Metabolism; Signal transduction
References	Dorow, D.S., et al., Eur. J. Biochem. 234(2):492-500 (1995). Katoh, M., et al., Oncogene 10(7):1447-1451 (1995). Dorow, D.S., et al., Eur. J. Biochem. 213(2):701-710 (1993).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21735550
NCBI GeneID	4294
NCBI Accession #	NP_002437.2
NCBI GenBank Nucleotide #	NM_002446.3
UniProt Accession #	Q02779; Q12761; Q14871
Molecular Weight	103694
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 10
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 10
NCBI Official Symbol	MAP3K10
NCBI Official Synonym Symbols	MST; MLK2; MEKK10
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 10
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 10
UniProt Gene Name	MAP3K10
UniProt Synonym Gene Names	MLK2; MST
UniProt Entry Name	M3K10_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/mlk2-antibody-immunohistochemistry-western-blot-elisa/289934>