

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

MLTK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324148	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MLTK; Polyclonal Antibody; MLTK Antibody; AZK; Cervical cancer suppressor gene 4 protein; HCCS 4; HCCS-4; HCCS4; Human cervical cancer suppressor gene 4 protein; Leucine zipper and sterile alpha motif containing kinase; Leucine zipper-and sterile alpha motif-containing kinase; Mitogen activated protein kinase kinase kinase MLT; Mitogen-activated protein kinase kinase kinase MLT; Mixed lineage kinase 7; Mixed lineage kinase related kinase; Mixed lineage kinase related kinase MRK beta; Mixed lineage kinase with a leucine zipper and a sterile alpha motif; Mixed lineage kinase-related kinase; MLK 7; MLK like mitogen activated protein triple kinase; MLK related kinase; MLK-like mitogen-activated protein triple kinase; MLK-related kinase; MLK7; Mklak; MLT; MLTK_HUMAN; MRK; Sterile alpha motif and leucine zipper containing kinase AZK; Sterile alpha motif-and leucine zipper-containing kinase AZK; Zak; anti-MLTK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	MLTK antibody detects endogenous levels of total MLTK
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	800
Applicable Applications for anti-MLTK antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MLTK, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324148 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using MLTK antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MLTK antibody	Function: Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways. Part of a signaling cascade that begins with the activation of the adrenergic receptor ADRA1B and leads to the activation of MAPK14. Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2 (PubMed:10924358, PubMed:11836244, PubMed:15342622, PubMed:21224381). Involved in limb development (PubMed:26755636). Similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	82880648
NCBI GeneID	51776
NCBI Accession #	NP_057737.2
NCBI GenBank Nucleotide #	NM_016653.2
UniProt Accession #	Q9NYL2; Q53SX1; Q580W8; Q59GY5; Q86YW8; Q9HCC4; Q9HCC5; Q9HDD2; Q9NYE9; B3KPG2
Molecular Weight	91 KD
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 20 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 20
NCBI Official Symbol	MAP3K20
NCBI Official Synonym Symbols	pk; AZK; MLT; MRK; ZAK; CNM6; MLK7; MLTK; SFMMP; mlklak; MLTKbeta; MLTKalpha
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 20
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 20
UniProt Gene Name	MAP3K20
UniProt Synonym Gene Names	; HCCS-4; MLK-related kinase; MRK

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.