



# MLTK rabbit pAb

Cat No.:ES2801

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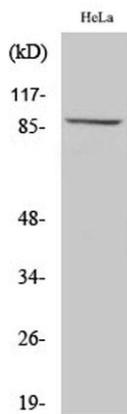
## Overview

<b>Product Name</b>	MLTK rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MLTK. AA range:701-750
<b>Specificity</b>	MLTK Polyclonal Antibody detects endogenous levels of MLTK protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Mitogen-activated protein kinase kinase kinase MLT
<b>Gene Name</b>	MLTK
<b>Cellular localization</b>	Cytoplasm . Nucleus . Translocates to the nucleus upon ultraviolet B irradiation. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	91kD
<b>Human Gene ID</b>	51776
<b>Human Swiss-Prot Number</b>	Q9NYL2
<b>Alternative Names</b>	MLTK; ZAK; HCCS4; Mitogen-activated protein kinase kinase kinase MLT; Human cervical cancer suppressor gene 4 protein; HCCS-4; Leucine zipper and sterile alpha motif-containing kinase; MLK-like mitogen-activated protein triple kinase; Mixe
<b>Background</b>	This gene is a member of the MAPKKK family of signal transduction molecules and encodes a protein with an N-terminal kinase catalytic domain, followed





by a leucine zipper motif and a sterile-alpha motif (SAM). This magnesium-binding protein forms homodimers and is located in the cytoplasm. The protein mediates gamma radiation signaling leading to cell cycle arrest and activity of this protein plays a role in cell cycle checkpoint regulation in cells. The protein also has pro-apoptotic activity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],



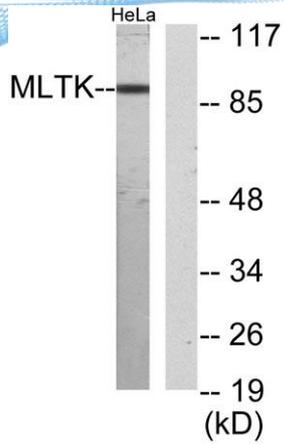
Western Blot analysis of various cells using MLTK Polyclonal Antibody diluted at 1:1000

Immunofluorescence analysis of HepG2 cells, using MLTK Antibody. The picture on the right is blocked with the synthesized peptide.

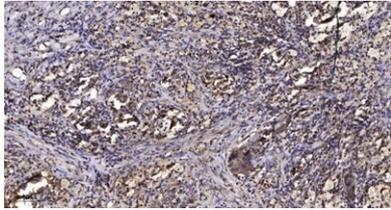




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Western blot analysis of lysates from HeLa cells, using MLTK Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



+86-27-59760950

[ELKbio@ELKbiotech.com](mailto:ELKbio@ELKbiotech.com)

[www.elkbiotech.com](http://www.elkbiotech.com)

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C