

## MLTK Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05466
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ZAK. AA range:131-180
<b>Mol wt</b>	91181
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MLTK Antibody
<b>Synonyms</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 mitog

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

MLTK is a member of the MAPKKK family of signal transduction molecules and encodes a protein, Mitogen-activated protein kinase kinase kinase MLT, 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.

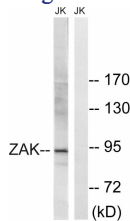
### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 40000

Not yet tested in other applications.

### Images



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

### Storage

-20°C for one year