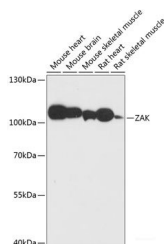


## ZAK Polyclonal Antibody

<b>Catalog No.</b>	E-AB-65019	<b>Reactivity</b>	M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western blot analysis of extracts of various cell lines using ZAK Polyclonal Antibody at dilution of 1:3000.

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein of human ZAK (NP_598407.1).
<b>GeneID</b>	51776
<b>Swissprot</b>	Q9NYL2
<b>Synonyms</b>	MAP3K20,AZK,MLK7,MLT,MLTK,MLTKalpha,MLTKbeta,MRK,SFMMP,ZAK,mlklak,pk

### Product Information

<b>Calculated MW</b>	35kDa/51kDa/91kDa
<b>Observed MW</b>	105kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000

### Background

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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.