

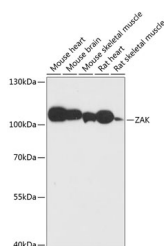
## ZAK Polyclonal Antibody

**Catalog No.** E-AB-65019  
**Storage** Store at -20°C. Avoid freeze / thaw cycles.  
**Applications** WB

**Reactivity** M,R  
**Host** Rabbit  
**Isotype** 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

**Immunogen** Recombinant fusion protein of human ZAK (NP\_598407.1).  
**GeneID** 51776  
**Swissprot** Q9NYL2  
**Synonyms** MAP3K20,AZK,MLK7,MLT,MLTK,MLTKalpha,MLTKbeta,MRK,SFMMP,ZAK,mlklak,pk

### Product Information

**Calculated MW** 35kDa/51kDa/91kDa  
**Observed MW** 105kDa  
**Buffer** PBS with 0.02% sodium azide, 50% glycerol, pH7.3.  
**Purify** Affinity purification  
**Dilution** 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.