

## ZAK

**Reactivity:** Human Mouse

**Tested applications:** WB IF

**Recommended Dilution:** WB 1:500 - 1:2000 IF 1:20 - 1:50

**Calculated MW:** 91kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human ZAK

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

pk; AZK; MLT; MRK; MLK7; MLTK; mlklak;

**Catalog #:** A7371

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 51776

**Isotype:** IgG

**Swiss Prot:** Q9NYL2

**Purity:** Affinity purification

For research use only.

**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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