

# ZAK Monoclonal antibody

Catalog Number: 68599-1-Ig

## Basic Information

<b>Catalog Number:</b> 68599-1-Ig	<b>GenBank Accession Number:</b> BC001401	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51776	<b>CloneNo.:</b> 2H10E4
<b>Source:</b> Mouse	<b>Full Name:</b> sterile alpha motif and leucine zipper containing kinase AZK	<b>Recommended Dilutions:</b>
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 91 kDa	
<b>Immunogen Catalog Number:</b> AG6747	<b>Observed MW:</b> 91 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, rat, rabbit	<b>WB :</b> U2OS cells, rat skeletal muscle tissue, rabbit skeletal muscle tissue, Saos-2 cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells

## Background Information

ZAK(sterile-alpha motif and leucine zipper containing kinase AZK) is also named as MLTK, MAPKKK, mlklak, MLK7, AZK, MLT, MRK, HCCS-4 and belongs to the MAPKKK family. It is a mitogen-activated protein kinase kinase kinase (MAP3K) that activates the stress-activated protein kinase/c-jun N-terminal kinase pathway and activates NF-kappaB. ZAK contributes to regulation of DNA damage checkpoints through a p38gamma-independent pathway. This protein has 3 isoforms produced by alternative splicing with the MW of 91 kDa, 51 kDa and 35 kDa.

## Storage

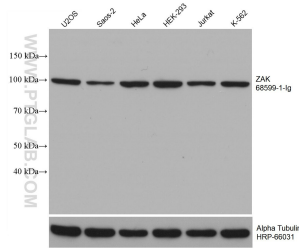
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68599-1-Ig (ZAK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.