

For Research Use Only

ZAK Monoclonal antibody

Catalog Number: 68599-1-Ig



Basic Information

Catalog Number: 68599-1-Ig	GenBank Accession Number: BC001401	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51776	CloneNo.: 2H10E4
Source: Mouse	UNIPROT ID: Q9NYL2	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: sterile alpha motif and leucine zipper containing kinase AZK	
Immunogen Catalog Number: AG6747	Calculated MW: 91 kDa	
	Observed MW: 91 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: Human, rat, rabbit	WB : 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

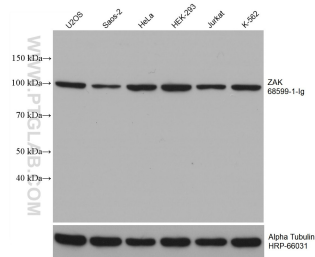
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.