

ZAK Monoclonal antibody

Catalog Number: 68599-1-Ig

Basic Information

Catalog Number:

68599-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6747

GenBank Accession Number:

BC001401

GeneID (NCBI):

51776

UNIPROT ID:

Q9NYL2

Full Name:

sterile alpha motif and leucine zipper
containing kinase AZK

Calculated MW:

91 kDa

Observed MW:

91 kDa

Purification Method:

Protein A purification

CloneNo.:

2H10E4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, rat, rabbit

Positive Controls:

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:

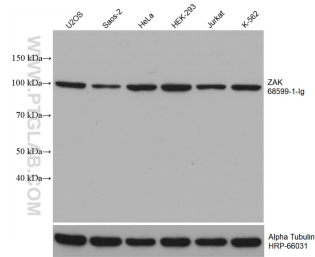
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.