

For Research Use Only

# ZAK Recombinant antibody

Catalog Number: 81161-2-RR



## Basic Information

Catalog Number:

81161-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30599

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:

91kDa, 51 kDa

Purification Method:

Protein A purification

CloneNo.:

250559E6

Recommended Dilutions:

WB: 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, mouse skeletal muscle tissue, Jurkat cells, MDA-MB-231 cells, HEK-293 cells, U2OS cells, rat skeletal muscle tissue

## 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, MAP3K20 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 p38 gamma-independent pathway. This protein has 3 isoforms produced by alternative splicing with the MW of 91 kDa (ZAK alpha), 51 kDa (ZAK beta) 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

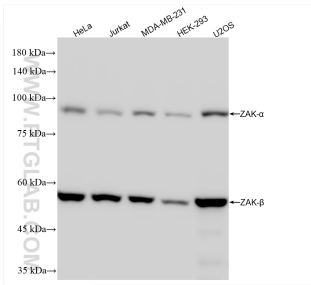
T: 4006900926

E: Proteintech-CN@ptglab.com

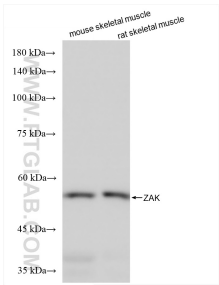
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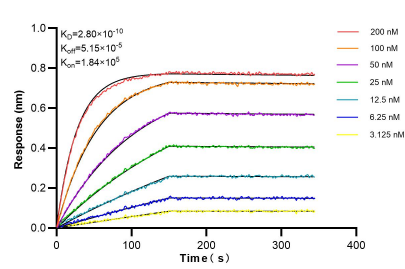
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81161-2-RR (ZAK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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Biolayer interferometry (BLI) kinetic assays of 81161-2-RR against Human ZAK were performed. The affinity constant is 0.28 nM.