

For Research Use Only

ZAK Recombinant antibody, PBS Only

Catalog Number: 81161-3-PBS



Basic Information

Catalog Number:

81161-3-PBS

Concentration:

1 mg/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

Purification Method:

Protein A purification

CloneNo.:

250559E1

Applications

Tested Applications:

IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

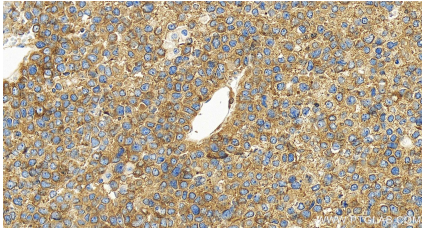
T: 4006900926

E: Proteintech-CN@ptglab.com

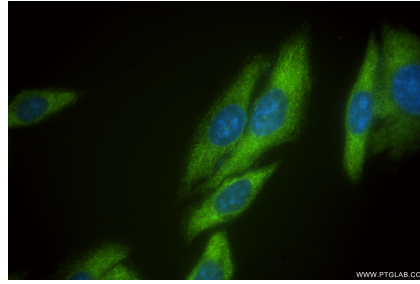
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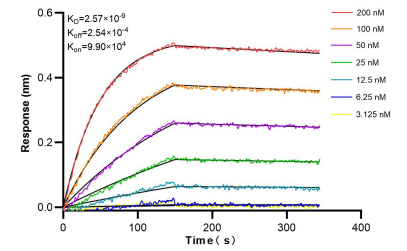
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 81161-3-RR (ZAK antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81161-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using ZAK antibody (81161-3-RR, Clone: 250559E1) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 81161-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 81161-3-RR against Human ZAK were performed. The affinity constant is 2.57 nM.