For Research Use Only

ZAK Recombinant antibody

Catalog Number:81161-3-RR

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
81161-3-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

Purification Method:
Protein A purification

CloneNo.:
250559E1

Recommended Dilutions:
IHC: 1:250-1:1000
IF/ICC: 1:200-1:800

Applications

Tested Applications:
IHC, IF/ICC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : human liver cancer tissue,

IF/ICC : HepG2 cells,

Background Information

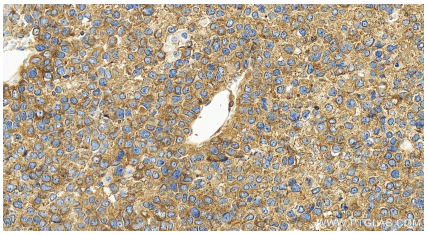
ZAK(sterile-alpha motif and leucine zipper containing kinase AZK) is also named as MLTK, MAPKKK, mlklak, MLK7, AZK, MLT, MRK, HCCS-4, MAP3K20 and belongs to the MAPKKK family. It is a mitogen-activated protein kinase kinase kinase (MAP3K) that activates the stress-activated protein kinase/c-jun N-terminal 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

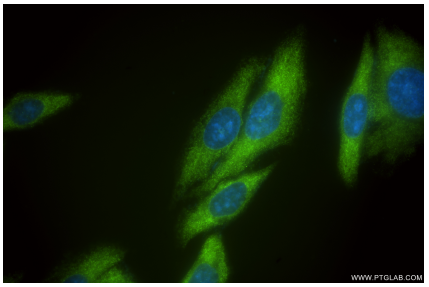
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

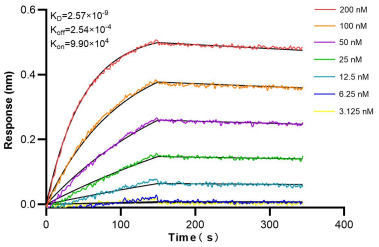
Selected Validation Data



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).



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).



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