

ZAK Recombinant antibody

Catalog Number: 81161-3-RR

Basic Information

Catalog Number: 81161-3-RR	GenBank Accession Number: BC001401	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 51776	CloneNo.: 250559E1
Source: Rabbit	UNIPROT ID: Q9NYL2	Recommended Dilutions: IHC: 1:250-1:1000 IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: sterile alpha motif and leucine zipper containing kinase AZK	
Immunogen Catalog Number: AG30599	Calculated MW: 91 kDa	

Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IHC : human liver cancer tissue,

IF/ICC : HepG2 cells,

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

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 (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

*** 20ul sizes contain 0.1% BSA

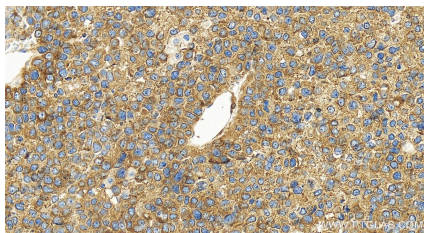
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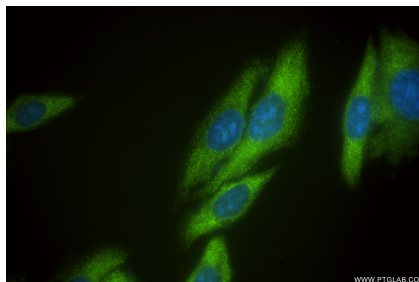
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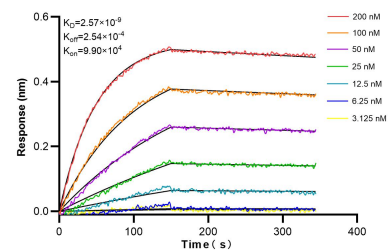
Selected Validation Data



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).



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.