

For Research Use Only

ZAK Polyclonal antibody

Catalog Number: 28761-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number: 28761-1-AP	GenBank Accession Number: BC001401	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 51776	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500
Source: Rabbit	Full Name: sterile alpha motif and leucine zipper containing kinase AZK	
Isotype: IgG	Calculated MW: 91 kDa	
Immunogen Catalog Number: AG30599	Observed MW: 91, 51 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells, MDA-MB-231 cells IHC : human colon cancer tissue,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human	

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 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yunfei Li	36726140	Genome Biol	WB

Storage

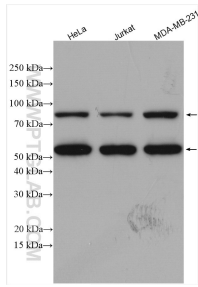
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

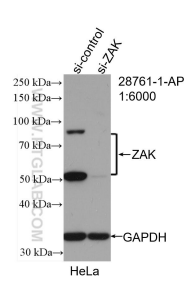
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

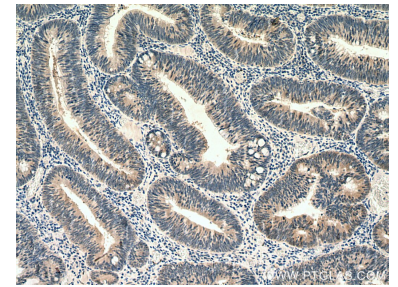
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28761-1-AP (ZAK antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of ZAK antibody (28761-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZAK transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28761-1-AP (ZAK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 28761-1-AP (ZAK antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).