

For Research Use Only

ZC3HAV1 Monoclonal antibody

Catalog Number: 66413-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number: 66413-1-Ig	GenBank Accession Number: BC025308	Purification Method: Protein G purification
Size: 150ul , Concentration: 1400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 56829	CloneNo.: 1G10B9
Source: Mouse	UNIPROT ID: Q7Z2W4	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: zinc finger CCCH-type, antiviral 1	
Immunogen Catalog Number: AG10364	Calculated MW: 699aa, 78 kDa; 902aa, 101 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, HEK-293 cells, HeLa cells IHC : human kidney tissue, IF/ICC : HepG2 cells,
Cited Applications: WB, IF	
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

The zinc-finger antiviral protein (ZAP) was originally identified from a rat cDNA library due to its conferring resistance to retroviruses. ZC3HAV1 is a CCCH-type zinc finger protein, it may primarily function to inhibit viral gene expression and induce an innate immunity to viral infection. Alternative splicing occurs at this locus and two variants, each encoding distinct isoforms.

Notable Publications

Author	Pubmed ID	Journal	Application
Ana Cristina Gonzalez-Perez	33947766	mBio	WB
Marlene V Buckmaster	35913217	J Virol	IF
Zehua Shang	38750080	Nat Commun	WB

Storage

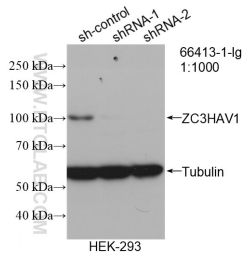
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

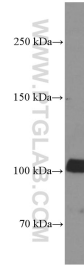
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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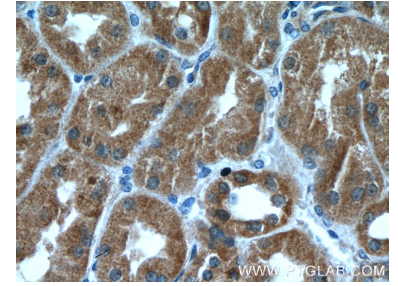
Selected Validation Data



WB result of ZC3HAV1 antibody (66413-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZC3HAV1 transfected HEK-293 cells.



Jurkat cells were subjected to SDS PAGE followed by western blot with 66413-1-Ig (ZC3HAV1 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66413-1-Ig (ZC3HAV1 Antibody) at dilution of 1:300 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ZC3HAV1 antibody (66413-1-Ig, Clone: 1G10B9) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).