

For Research Use Only

ZC3HAV1 Monoclonal antibody

Catalog Number: 66413-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number:

66413-1-Ig

Size:

1400 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10364

GenBank Accession Number:

BC025308

GeneID (NCBI):

56829

UNIPROT ID:

Q7Z2W4

Full Name:

zinc finger CCCH-type, antiviral 1

Calculated MW:

699aa, 78 kDa; 902aa, 101 kDa

Observed MW:

100 kDa

Purification Method:

Protein G purification

CloneNo.:

1G10B9

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

IF, 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

Positive Controls:

WB : Jurkat cells, HEK-293 cells, HeLa cells

IHC : human kidney tissue,

IF : HepG2 cells,

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
Matthew B McDougal	37497756	EMBO Rep	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

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

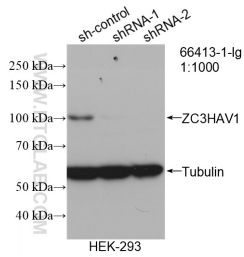
T: 4006900926

E: Proteintech-CN@ptglab.com

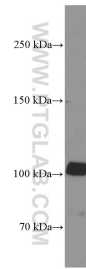
W: ptgcn.com

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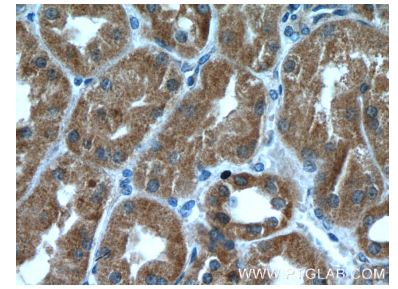
Selected Validation Data



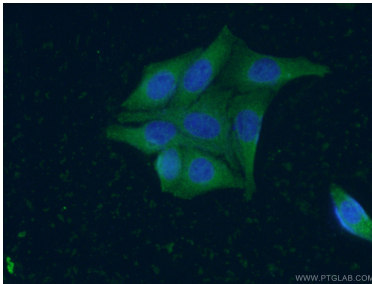
WB result of ZC3HAV1 antibody (66413-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZC3HAV1 transfected HEK-293 cells.



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 66413-1-Ig(ZC3HAV1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).