

For Research Use Only

ZC3HAV1 Polyclonal antibody

Catalog Number: 16820-1-AP

Featured Product

35 Publications



Basic Information

Catalog Number:

16820-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:12000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, monkey

Positive Controls:

WB: HEK-293 cells, HeLa cells

IP: HeLa 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. ZC3HAV1 exists some isoforms with MV 101, 77, 67, 42 and 18 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yongxiang Zhao	33035816	Vet Microbiol	WB
Matthew A Takata	28953888	Nature	WB
Evan P Booy	30247708	Nucleic Acids Res	WB

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

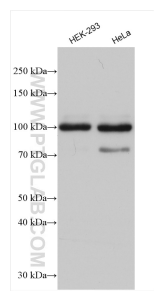
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

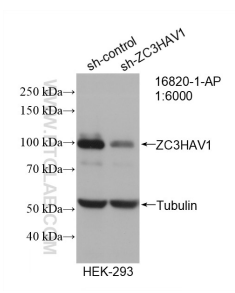
E: proteintech@ptglab.com
W: ptglab.com

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

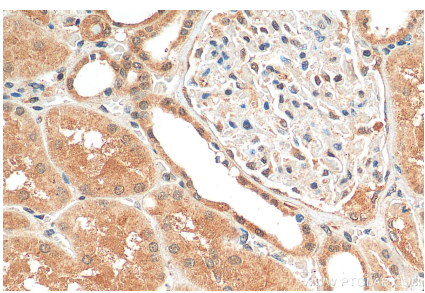
Selected Validation Data



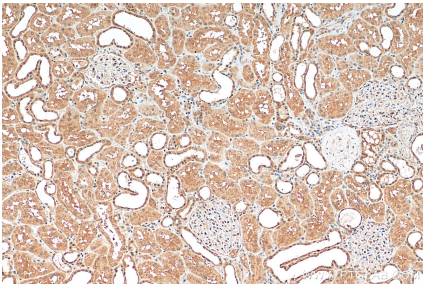
Various lysates were subjected to SDS PAGE followed by western blot with 16820-1-AP (ZC3HAV1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



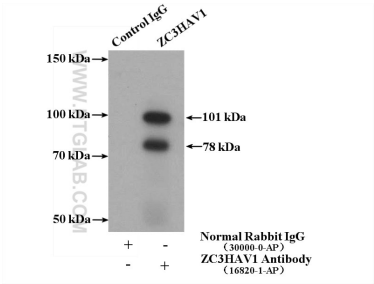
WB result of ZC3HAV1 antibody (16820-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZC3HAV1 transfected HEK-293 cells.



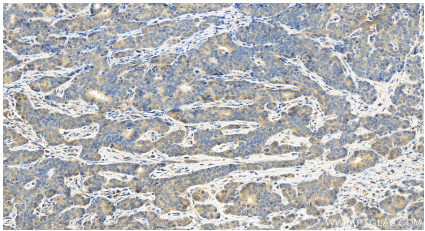
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16820-1-AP (ZC3HAV1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 16820-1-AP (ZC3HAV1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ZC3HAV1 (IP:16820-1-AP, 4ug; Detection:16820-1-AP 1:2000) with HeLa cells lysate 1080ug.



Immunohistochemical analysis of paraffin-embedded stomach cancer slide using 16820-1-AP (ZC3HAV1 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).