

For Research Use Only

# ZC3HAV1 Polyclonal antibody

Catalog Number: 16820-1-AP

Featured Product

28 Publications



## Basic Information

**Catalog Number:**  
16820-1-AP

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

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG10364

**GenBank Accession Number:**  
BC025308

**GeneID (NCBI):**  
56829

**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 IP and 1:1000-1:4000 for WB

## Applications

**Tested Applications:**  
IP, WB, ELISA

**Cited Applications:**  
IF, IHC, IP, RIP, WB

**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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

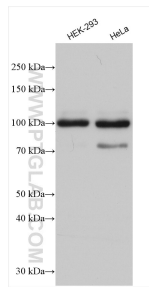
For technical support and original validation data for this product please contact:

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

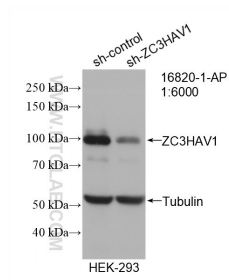
E: proteintech@ptglab.com  
W: ptglab.com

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

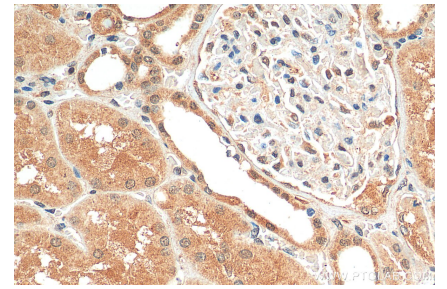
## Selected Validation Data



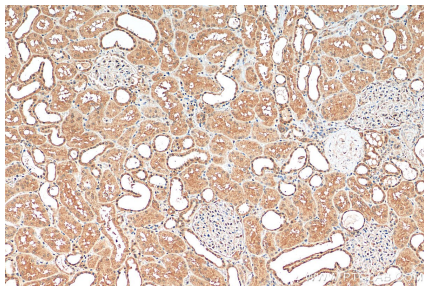
Various lysates were subjected to SDS PAGE followed by western blot with 16820-1-AP (ZC3HAV1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



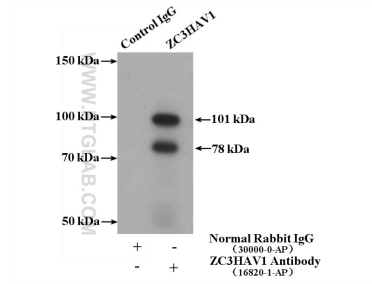
WB result of ZC3HAV1 antibody (16820-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZC3HAV1 transfected HEK-293 cells.



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, 4 $\mu$ g; Detection:16820-1-AP 1:2000) with HeLa cells lysate 1080 $\mu$ g.