

For Research Use Only

# ZC3H12D Polyclonal antibody

Catalog Number: 24991-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

24991-1-AP

### Size:

700 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG21770

### GenBank Accession Number:

BC157832

### GeneID (NCBI):

340152

### UNIPROT ID:

A2A288

### Full Name:

zinc finger CCCH-type containing 12D

### Calculated MW:

527 aa, 58 kDa

### Observed MW:

55-58 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : Raji cells, K-562 cells

IP : Raji cells,

IHC : human tonsillitis tissue,

**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

ZC3H12D, also named as MCP induced protein 4, is a 527 amino acid protein, which contains one C3H1-type zinc finger and belongs to the ZC3H12 family. ZC3H12D exists as three isoforms and localizes in the cytoplasm. ZC3H12D may regulate cell growth likely by suppressing RB1 phosphorylation and serves as a tumor suppressor in certain leukemia cells. ZC3H12D is expressed in normal human lymphocytes but defective in some leukemia/lymphoma cell lines.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wangang Gong	35117224	Transl Cancer Res	IHC
Wen-Qing Huang	29875652	Front Aging Neurosci	WB
Takeshi Tomita	34135341	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

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

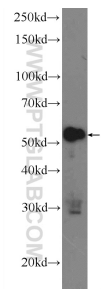
T: 4006900926

E: Proteintech-CN@ptglab.com

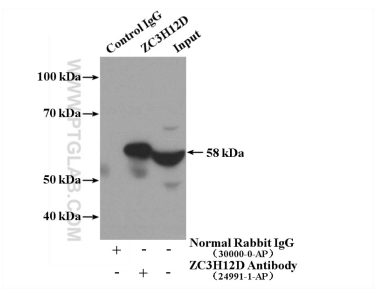
W: ptgcn.com

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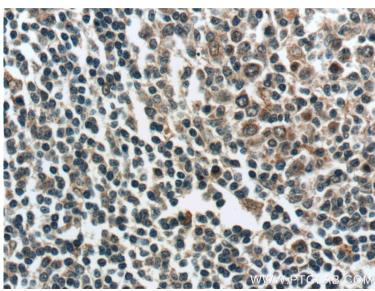
Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 24991-1-AP (ZC3H12D Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-ZC3H12D (IP:24991-1-AP, 4ug; Detection:24991-1-AP 1:600) with Raji cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 24991-1-AP (ZC3H12D Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 24991-1-AP (ZC3H12D antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).