

For Research Use Only

# ZC3H12D Polyclonal antibody

Catalog Number: 24991-1-AP

Featured Product

7 Publications



## Basic Information

<b>Catalog Number:</b> 24991-1-AP	<b>GenBank Accession Number:</b> BC157832	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 340152	<b>Recommended Dilutions:</b> 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
<b>Source:</b> Rabbit	<b>Full Name:</b> zinc finger CCCH-type containing 12D	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 527 aa, 58 kDa	
<b>Immunogen Catalog Number:</b> AG21770	<b>Observed MW:</b> 55-58 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : Raji cells, K-562 cells IP : Raji cells, IHC : human tonsillitis tissue,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

**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

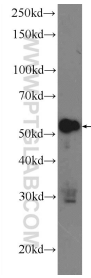
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

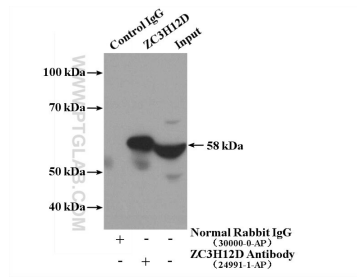
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

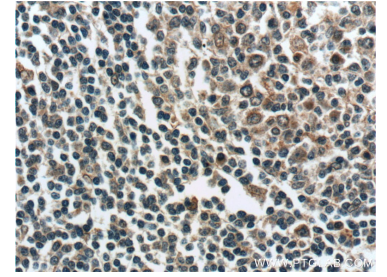
## Selected Validation Data



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, 4 $\mu$ g; Detection:24991-1-AP 1:600) with Raji cells lysate 2000 $\mu$ g.



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