

For Research Use Only

# ZC3H12D Recombinant antibody

Catalog Number:83507-2-RR



## Basic Information

<b>Catalog Number:</b> 83507-2-RR	<b>GenBank Accession Number:</b> BC157832	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 340152	<b>CloneNo.:</b> 240464C5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> A2A288	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc finger CCCH-type containing 12D	
<b>Immunogen Catalog Number:</b> AG21770	<b>Calculated MW:</b> 527 aa, 58 kDa	
	<b>Observed MW:</b> 55-58 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : Raji cells,
<b>Species Specificity:</b> human	

## 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.

## 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:

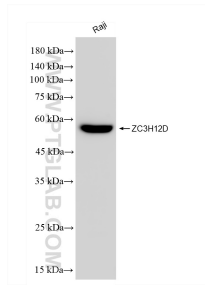
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E: Proteintech-CN@ptglab.com

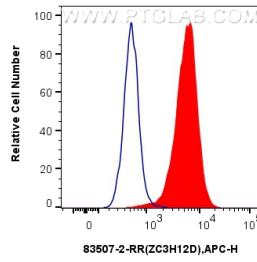
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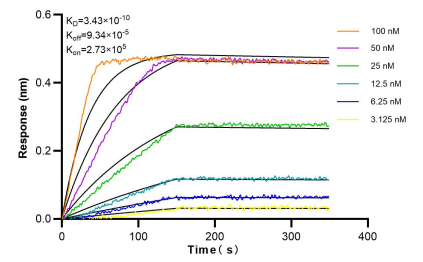
## Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 83507-2-RR (ZC3H12D antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.25  $\mu$ g ZC3H12D Recombinant antibody (83507-2-RR, Clone:240464C5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83507-2-RR against Human ZC3H12D were performed. The affinity constant is 0.343 nM.