

For Research Use Only

# ZBTB7A Recombinant antibody

Catalog Number: 83616-5-RR

Featured Product



## Basic Information

### Catalog Number:

83616-5-RR

### Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC113511

### GeneID (NCBI):

51341

### UNIPROT ID:

O95365

### Full Name:

zinc finger and BTB domain containing 7A

### Calculated MW:

61 kDa

### Observed MW:

61 kDa, 75-80 kDa

### Purification Method:

Protein A purification

### CloneNo.:

240555A6

### Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:200-1:800

IF/ICC 1:100-1:1000

## Applications

### Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

### Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : MCF-7 cells, HEK-293 cells

IHC : human stomach cancer tissue,

IF/ICC : HepG2 cells,

## Background Information

ZBTB7A, also named as LRF, FBI1, FBI-1, pokemon, ZBTB7, ZNF857A and DKFZp5470146, a member of the POK (POZ and Krüppel) family of transcription factors, plays a role in differentiation, oncogenesis, and adipogenesis (PMID: 35798238). ZBTB7A is involved in the instruction of early lymphoid progenitors to develop into B lineage by repressing T-cell instructive Notch signals. ZBTB7A is widely expressed in normal thymus and it is aberrantly overexpressed in human cancers (PMID: 28942243). ZBTB7A has 10 potential sumoylation sites located at lysine 61, 354, 371, 379, 383, 396, 486, 487, 536 and 539 (PMID: 20471975, 19471103). ZBTB7A has a predicted molecular weight of 61 kDa and the 75-80-kDa band could be the sumoylated form.

## 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

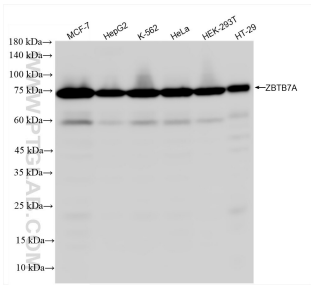
For technical support and original validation data for this product please contact:

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

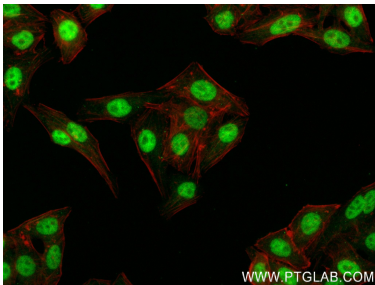
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

Selected Validation Data



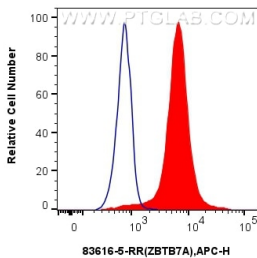
Various lysates were subjected to SDS PAGE followed by western blot with 83616-5-RR (ZBTB7A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



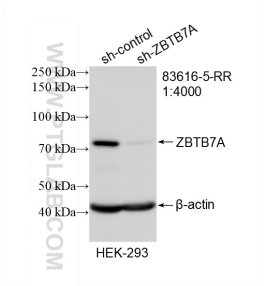
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ZBTB7A antibody (83616-5-RR, Clone: 240555A6) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



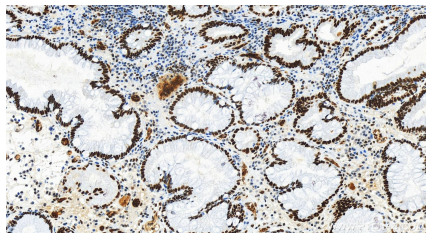
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1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug ZBTB7A Recombinant antibody (83616-5-RR, Clone:240555A6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



WB result of ZBTB7A antibody (83616-5-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ZBTB7A transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 83616-5-RR (ZBTB7A antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9).