

For Research Use Only

# ZBTB7A Polyclonal antibody

Catalog Number: 30658-1-AP



## Basic Information

<b>Catalog Number:</b> 30658-1-AP	<b>GenBank Accession Number:</b> NM_015898	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51341	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O95365	<b>IHC 1:50-1:500</b> <b>IF/ICC 1:300-1:1200</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc finger and BTB domain containing 7A	
<b>Immunogen Catalog Number:</b> AG31077	<b>Calculated MW:</b> 61 kDa	
	<b>Observed MW:</b> 61-70 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> K-562 cells, MCF-7 cells, PC-3 cells, SGC-7901 cells, U2OS cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human lung tissue,
	<b>IF/ICC :</b> HeLa cells, MCF-7 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.

## Storage

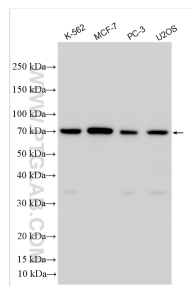
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

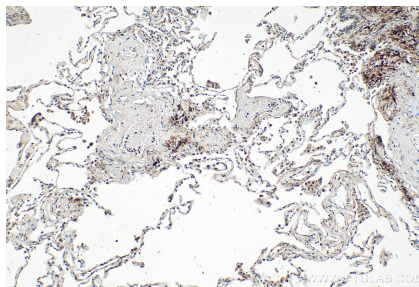
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

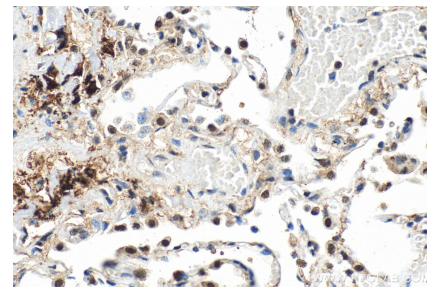
## Selected Validation Data



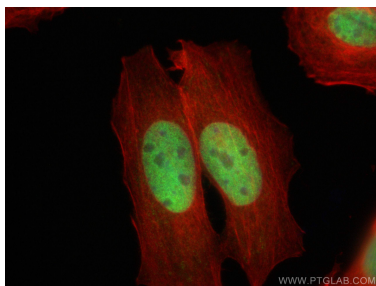
Various lysates were subjected to SDS PAGE followed by western blot with 30658-1-AP (ZBTB7A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



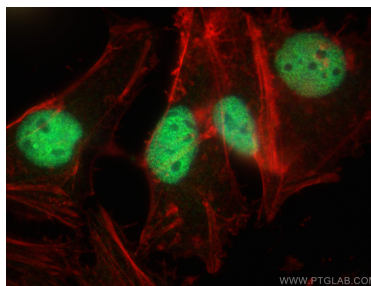
Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 30658-1-AP (ZBTB7A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 30658-1-AP (ZBTB7A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using ZBTB7A antibody (30658-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ZBTB7A antibody (30658-1-AP) at dilution of 1:600 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).