

For Research Use Only

# CBLB Polyclonal antibody

Catalog Number: 12781-1-AP

Featured Product

16 Publications



## Basic Information

### Catalog Number:

12781-1-AP

### Concentration:

750 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3491

### GenBank Accession Number:

BC032851

### GeneID (NCBI):

868

### UNIPROT ID:

Q13191

### Full Name:

Cas-Br-M (murine) ecotropic retroviral transforming sequence b

### Calculated MW:

982 aa, 109 kDa

### Observed MW:

110-130 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells, A549 cells

IP : HEK-293 cells,

IHC : mouse colon tissue, human kidney tissue, human lung tissue, human placenta tissue, human spleen tissue, human testis tissue

IF/ICC : A431 cells,

**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

CBLB(E3 ubiquitin-protein ligase CBL-B) is also named RNF56 and plays a necessary role in preventing the inappropriate activation of NF-B in response to lipopolysaccharide and polymicrobial sepsis. CBLB can be phosphorylated on tyrosine and serine residues upon TCR or BCR activation, and various types of cell stimulation. It also has a crucial role in preventing chronic inflammation and autoimmunity. This protein has 3 isoforms produced by alternative splicing 109, 90, and 86 kDa, and observed molecular weight at 110-130 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Klarissa Hanja Stürmer	25261476	J Immunol	FC
Ze-Qing Pu	33124187	J Cell Mol Med	WB,IF
Ke Chen	33116705	Diabetes Metab Syndr Obes	IHC,WB

## 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

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

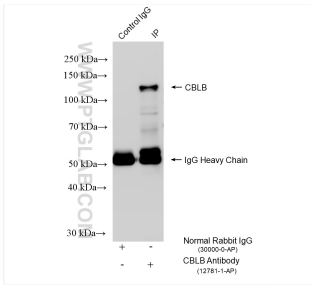
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

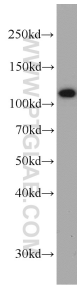
W: [ptgcn.com](http://ptgcn.com)

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

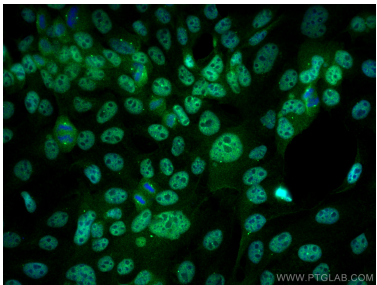
Selected Validation Data



IP result of anti-CBLB (IP:12781-1-AP, 4ug; Detection:12781-1-AP 1:600) with HEK-293 cells lysate 1800 ug.



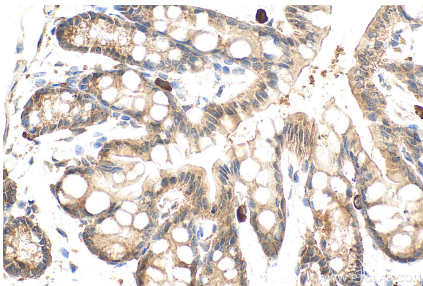
HEK-293 cells were subjected to SDS PAGE followed by western blot with 12781-1-AP (CBLB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CBLB antibody (12781-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 12781-1-AP (CBLB 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 mouse colon tissue slide using 12781-1-AP (CBLB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).