

For Research Use Only

# CBLB Polyclonal antibody

Catalog Number: 12781-1-AP **11 Publications**



## Basic Information

<b>Catalog Number:</b> 12781-1-AP	<b>GenBank Accession Number:</b> BC032851	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 750 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 868	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> Cas-Br-M (murine) ecotropic retroviral transforming sequence b	<b>for WB</b> IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 982 aa, 109 kDa	
<b>Immunogen Catalog Number:</b> AG3491	<b>Observed MW:</b> 109 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, A549 cells
<b>Cited Applications:</b> CoIP, FC, IF, IHC, IP, WB	<b>IP :</b> HEK-293 cells,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse colon tissue, human kidney tissue, human placenta tissue, human testis tissue, human spleen tissue, human lung tissue
<b>Cited Species:</b> human, mouse, rat	

**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 as RNF56 and plays a necessary role to prevent the inappropriate activation of NF-B in response to lipopolysaccharide and to polymicrobial sepsis. CBLB can be phosphorylated on tyrosine and serine residues upon TCR or BCR activation, and upon various types of cell stimulation. It also has a crucial role in the prevention of chronic inflammation and autoimmunity. This protein has 3 isoforms produced by alternative splicing.

## 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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

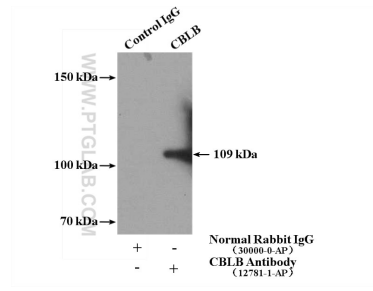
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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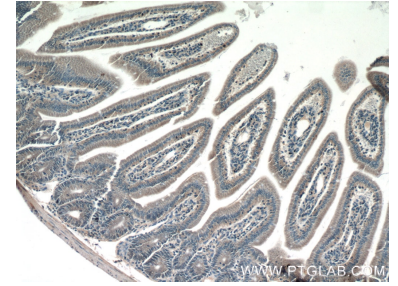
## Selected Validation Data



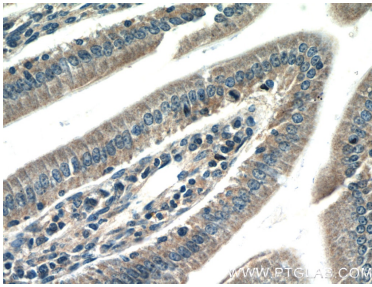
HEK-293 cells were subjected to SDS PAGE followed by western blot with 12781-1-AP (CBLB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-CBLB (IP:12781-1-AP, 4ug; Detection:12781-1-AP 1:300) with HEK-293 cells lysate 3680ug.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 12781-1-AP (CBLB antibody) at dilution of 1:50 (under 10x lens)..



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 12781-1-AP (CBLB antibody) at dilution of 1:50 (under 40x lens)..