

For Research Use Only

CBLB Polyclonal antibody

Catalog Number: 12781-1-AP

13 Publications



Basic Information

| | | |
|--|---|--|
| Catalog Number: 12781-1-AP | GenBank Accession Number: BC032851 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 750 µg/ml by Nanodrop; | GeneID (NCBI): 868 | Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate |
| Source: Rabbit | Full Name: Cas-Br-M (murine) ecotropic retroviral transforming sequence b | IHC 1:50-1:500 IF 1:50-1:500 |
| Isotype: IgG | Calculated MW: 982 aa, 109 kDa | |
| Immunogen Catalog Number: AG3491 | Observed MW: 110 kDa | |

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

CoIP, FC, IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : HEK-293 cells, A549 cells

IP : HEK-293 cells,

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

IF : 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 as RNF56 and plays a necessary role to prevent the inappropriate activation of NF- κ 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

*** 20ul sizes contain 0.1% BSA

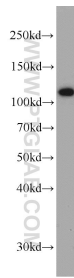
For technical support and original validation data for this product please contact:

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

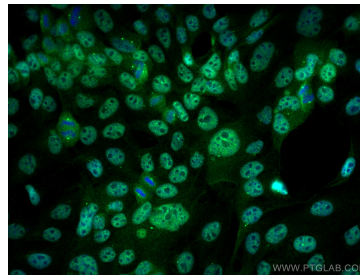
E: proteintech@ptglab.com
W: ptglab.com

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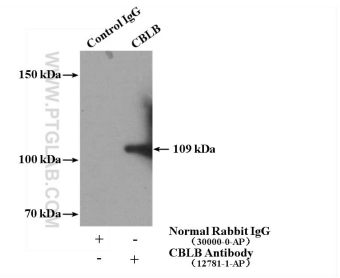
Selected Validation Data



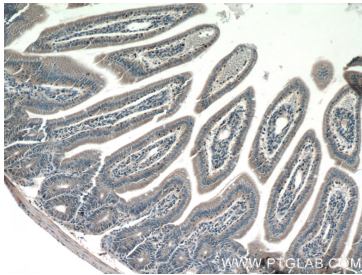
HEK-293 cells were subjected to SDS PAGE followed by western blot with 12781-1-AP (CBLB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



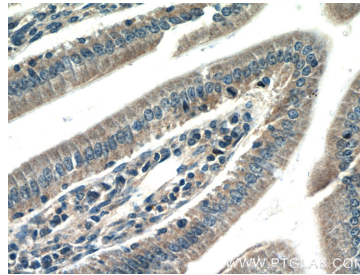
Immunofluorescent analysis of (4% PFA) fixed A431 cells using CBLB antibody (12781-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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)..