

CBL Rabbit pAb

Catalog No.: A0732 **1 Publications**

Basic Information

Catalog No.

A0732

Observed MW

120kDa

Calculated MW

99kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:100
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

This gene is a proto-oncogene that encodes a RING finger E3 ubiquitin ligase. The encoded protein is one of the enzymes required for targeting substrates for degradation by the proteasome. This protein mediates the transfer of ubiquitin from ubiquitin conjugating enzymes (E2) to specific substrates. This protein also contains an N-terminal phosphotyrosine binding domain that allows it to interact with numerous tyrosine-phosphorylated substrates and target them for proteasome degradation. As such it functions as a negative regulator of many signal transduction pathways. This gene has been found to be mutated or translocated in many cancers including acute myeloid leukaemia, and expansion of CGG repeats in the 5' UTR has been associated with Jacobsen syndrome. Mutations in this gene are also the cause of Noonan syndrome-like disorder.

Immunogen Information

Gene ID

867

Swiss Prot

P22681

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 637-906 of human CBL (NP_005179.2).

Synonyms

C-CBL;CBL2;FRA11B;NSLL;RNF55;CBL;c-Cbl

Product Information

Source

Rabbit

Isotype

IgG

Purification

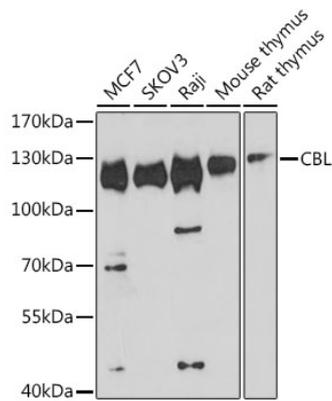
Affinity purification

Storage

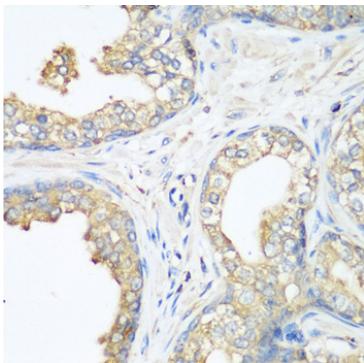
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

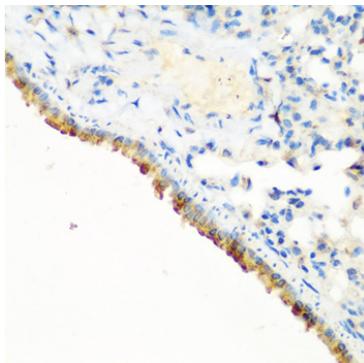
Validation Data



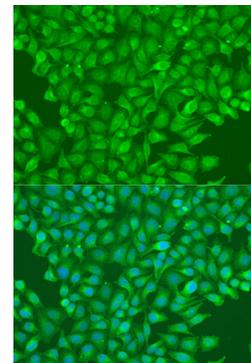
Western blot analysis of extracts of various cell lines, using CBL antibody (A0732) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human prostate using CBL antibody (A0732) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse lung using CBL antibody (A0732) at dilution of 1:200 (40x lens).



Immunofluorescence analysis of U2OS cells using CBL antibody (A0732) at dilution of 1:100. Blue: DAPI for nuclear staining.