

Phospho-CBL-Y774 Antibody kit

Catalog No.: RK05788

Basic Information

Observed MW

110kDa

Calculated MW

100kDa

Category

Primary antibody

Recommended Dilutions

AP0794 WB 1:500 - 1:2000

A0732 WB 1:1000 - 1:5000

For more information please visit
www.abclonal.com

Product Information

Source Rabbit
Isotype IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Contact

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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.

Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0794	Phospho-CBL-Y774 Rabbit pAb	ELISA, WB	Human
A0732	CBL Rabbit pAb	ELISA, WB, IHC-P, IF/ICC, IP	Human, Mouse, Rat

Immunogen Information

Gene ID 867
Swiss Prot P22681

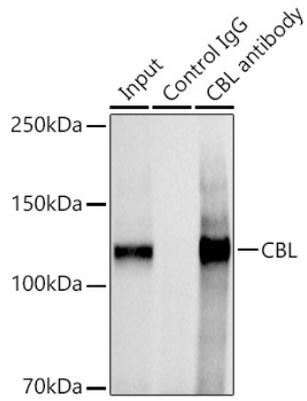
Immunogen

A synthetic phosphorylated peptide around Y774 of human CBL (NP_005179.2). Recombinant fusion protein containing a sequence corresponding to amino acids 850-906 of human CBL (NP_005179.2).

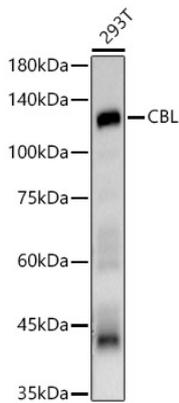
Synonyms

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

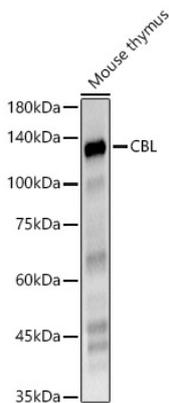
Validation Data



Immunoprecipitation analysis of 600 µg extracts of Mouse thymus cells using 3 µg CBL antibody (A0732). Western blot was performed from the immunoprecipitate using CBL antibody at a dilution of 1:1000.

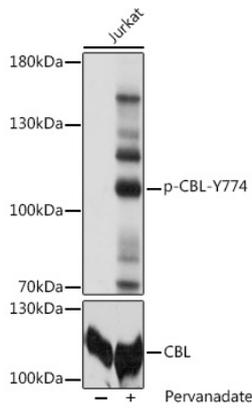


Western blot analysis of lysates from 293T cells, using CBL Rabbit pAb (A0732) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

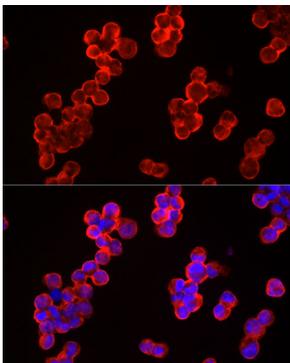


Western blot analysis of lysates from Mouse thymus, using CBL Rabbit pAb (A0732) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

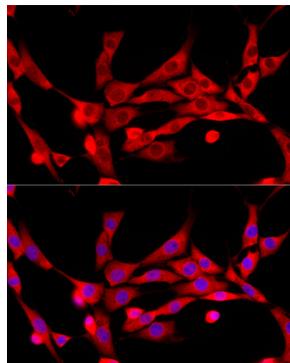
Validation Data



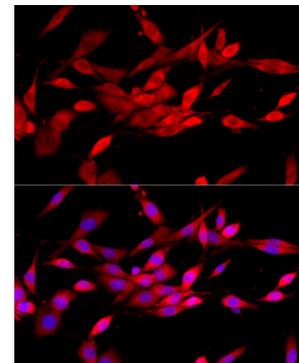
Western blot analysis of lysates from Jurkat cells, using Phospho-CBL-Y774 Rabbit pAb (A0732). Jurkat cells were treated by Pervanadate (1 mM) at 37°C for 30 minutes.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30S.



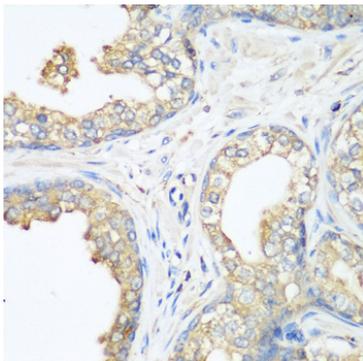
Immunofluorescence analysis of K-562 cells using CBL Rabbit pAb (A0732) at dilution of 1:300 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



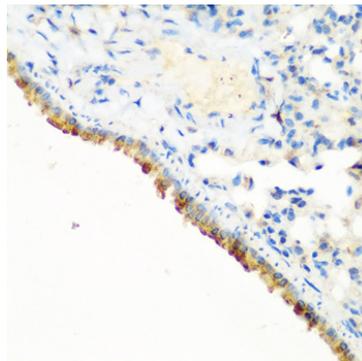
Immunofluorescence analysis of NIH/3T3 cells using CBL Rabbit pAb (A0732) at dilution of 1:300 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using CBL Rabbit pAb (A0732) at dilution of 1:300 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of CBL in paraffin-embedded human prostate using CBL Rabbit pAb (A0732) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CBL in paraffin-embedded mouse lung using CBL Rabbit pAb (A0732) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.