AP0780

Leader in Biomolecular Solutions for Life Science

Phospho-CBL-Y700 Rabbit pAb

Catalog No.: AP0780

Basic Information

Observed MW
120kDa

Calculated MW
100kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Human

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.

Recommended Dilutions

WB   1:500 - 1:2000

Immunogen Information

Gene ID
867

Swiss Prot
P22681

Immunogen
A synthetic phosphorylated peptide around Y700 of human CBL (NP_005179.2).

Synonyms
CBL2; NSLL; C-CBL; RNF55; FRA11B; Phospho-CBL-Y700

Contact

🌐 | www.abclonal.com

Product Information
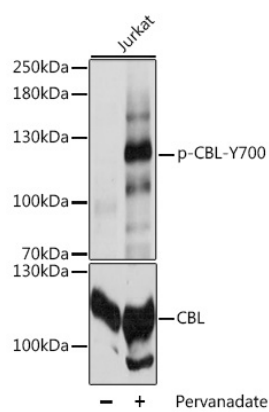
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

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

Validation Data

Western blot analysis of lysates from Jurkat cells, using Phospho-CBL-Y700 Rabbit pAb (AP0780) at 1:2000 dilution or CBL antibody (A0732). Jurkat cells were treated by Pervanadate (1 mM) at 37℃ 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: 5s.