BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CBL Antibody

Catalog Number: M00152-1

About CBL

Adapter protein that functions as a negative regulator of many signaling pathways that are triggered by activation of cell surface receptors. Acts as an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Recognizes activated receptor tyrosine kinases, including KIT, FLT1, FGFR1, FGFR2, PDGFRA, PDGFRB, EGFR, CSF1R, EPHA8 and KDR and terminates signaling. Recognizes membrane-bound HCK, SRC and other kinases of the SRC family and mediates their ubiquitination and degradation. Participates in signal transduction in hematopoietic cells. Plays an important role in the regulation of osteoblast differentiation and apoptosis. Essential for osteoclastic bone resorption. The 'Tyr-731' phosphorylated form induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3.

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Overview

Product Name	Anti-CBL Antibody
Reactive Species	Human
Description	Boster Bio Anti-CBL Antibody (Catalog # M00152-1). Tested in WB application(s). This antibody reacts with Human.
Application	WB
Clonality	Monoclonal 1762CT401.80.60
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P22681

Technical Details

Immunogen	This CBL antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 450-644 amino acids from human CBL.

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Predicted Reactive Species	Human
Isotype	IgG2b,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:2000

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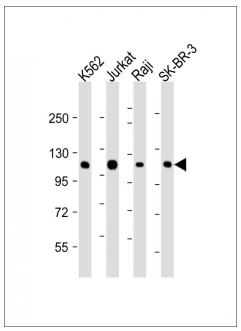
Anti-CBL Antibody (M00152-1) Images



All lanes : Anti-CBL Antibody at 1:2000 dilutionLane 1: K562 whole cell lysateLane 2: Jurkat whole cell lysateLane 3: Raji whole cell lysateLane 4: SK-BR-3 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 100 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

Anti-CBL Antibody

For Research Use Only. Not for use in diagnostic procedures.