

Datasheet for ABIN6243532
anti-CBL antibody (AA 450-644)



[Go to Product page](#)

1 Image

Overview

Quantity:	200 µL
Target:	CBL
Binding Specificity:	AA 450-644
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CBL antibody is un-conjugated
Application:	Western Blotting (WB)

Product 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.
Clone:	1762CT401-80-60
Isotype:	IgG2b kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	CBL
Alternative Name:	CBL (CBL Products)
Background:	Adapter protein that functions as a negative regulator of many signaling pathways that are

Target Details

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.

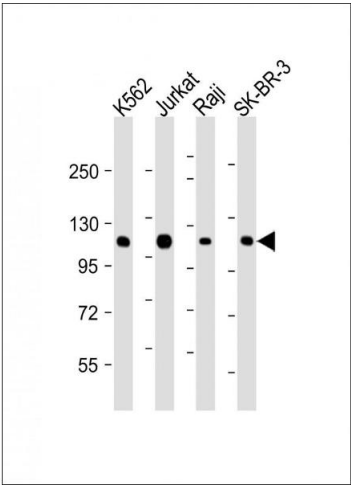
Molecular Weight:	99633
UniProt:	P22681
Pathways:	TCR Signaling , Interferon-gamma Pathway , EGFR Signaling Pathway , EGFR Downregulation , VEGFR1 Specific Signals

Application Details

Application Notes:	WB: 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. All lanes : Anti-CBL Antibody at 1:2000 dilution
Lane 1: K562 whole cell lysate Lane 2: Jurkat whole cell lysate Lane 3: Raji whole cell lysate Lane 4: SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 100 kDa
Blocking/Dilution buffer: 5 % NFDM/TBST.