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Datasheet for ABIN7150995 anti-CBL antibody (AA 548-847)

3 Images



Overview

Quantity:	100 µg
Target:	CBL
Binding Specificity:	AA 548-847
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase CBL protein (548-847AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CBL
Alternative Name:	CBL (CBL Products)
Background:	Background: 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,

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	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.
	Aliases: 4732447J05Rik antibody, C CBL antibody, Cas Br M (murine) ecotropic retroviral
	transforming sequence antibody, Casitas B lineage lymphoma proto oncogene antibody,
	Casitas B-lineage lymphoma proto-oncogene antibody, CBL 2 antibody, cbl antibody,
	CBL_HUMAN antibody, CBL2 antibody, E3 ubiquitin protein ligase CBL antibody, E3 ubiquitin-
	protein ligase CBL antibody, Oncogene CBL2 antibody, Proto oncogene c CBL antibody, Proto-
	oncogene c-CBL antibody, RGD1561386 antibody, RING finger protein 55 antibody, RNF55
	antibody, Signal transduction protein CBL antibody
UniProt:	P22681
Pathways:	TCR Signaling, Interferon-gamma Pathway, EGFR Signaling Pathway, EGFR Downregulation,

VEGFR1 Specific Signals

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Handling

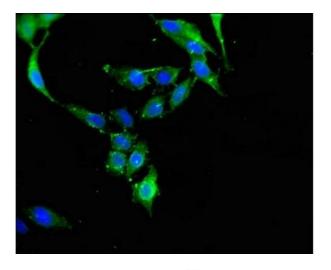
Storage:

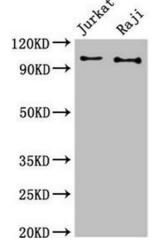
-20 °C,-80 °C

Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



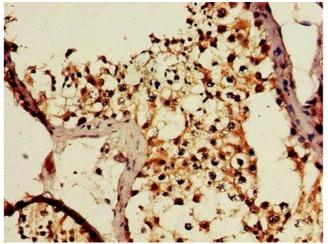


Immunofluorescence

Image 1. Immunofluorescent analysis of Hela cells using ABIN7150995 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Western Blotting

Image 2. Western Blot Positive WB detected in: Jurkat whole cell lysate, Raji whole cell lysate All lanes: CBL antibody at 3 µg/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 100 kDa Observed band size: 100 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7150995 diluted at 1:600 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.