Product Datasheet

CBLB Antibody

Catalog No: #32551

Package Size: #32551-1 50ul #32551-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CBLB Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total CBLB protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human CBLB (NP_733762.2).
Target Name	CBLB
Other Names	CBLB;Cbl-b;Nbla00127;RNF56
Accession No.	Uniprot:Q13191GeneID:868
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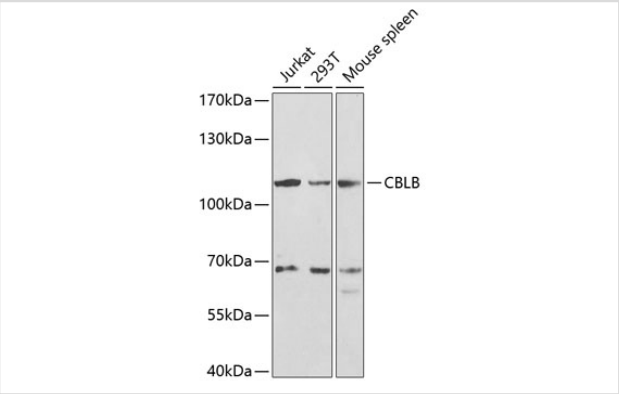
GeneID	868
SDS-PAGE MW	109kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB□1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using CBLB antibody.

Background

E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and transfers it to substrates, generally promoting their degradation by the proteasome. Negatively regulates TCR (T-cell receptor, BCR (B-cell receptor and FCER1 (high affinity immunoglobulin epsilon receptor signal transduction pathways. In naive T-cells, inhibits VAV1 activation upon TCR engagement and imposes a requirement for CD28 costimulation for proliferation and IL-2 production. Also acts by promoting PIK3R1/p85 ubiquitination, which impairs its recruitment to the TCR and subsequent activation. In activated T-cells, inhibits PLCG1 activation and calcium mobilization upon restimulation and promotes anergy. In B-cells, acts by ubiquitinating SYK and promoting its proteasomal degradation. Slightly promotes SRC ubiquitination. May be involved in EGFR ubiquitination and internalization. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3. In association with CBL, required for proper feedback inhibition of ciliary platelet-derived growth factor receptor-alpha (PDGFRA signaling pathway via ubiquitination and internalization of PDGFRA (By similarity.

Note: This product is for in vitro research use only