

CBLB (4L14) Rabbit Monoclonal Antibody

Catalog# HZ-YMA01788

Product information

产品货号	HZ-YMA01788
别名	RNF56;Nbla00127
产品名称	CBLB (4L14) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	CBLB
推荐应用	WB,IF-P,IF-F,IF-ICC,ELISA
反应种属	Human,Mouse,Rat
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	868
Human Swissprot No.	Q13191
稀释度	WB 1:2000-1:10000;IF-P/IF-F/IF-ICC 1:200-1:1000;ELISA 1:5000-1:20000
参考分子量	120kDa
预测分子量	110kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa

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Product information

背景介绍

domain:The N-terminus is composed of the phosphotyrosine binding (PTB) domain , a short linker region and the RING-type zinc finger. The PTB domain , which is also called TKB (tyrosine kinase binding) domain , is composed of three different subdomains: a four-helix bundle (4H) , a calcium-binding EF hand and a divergent SH2 domain. ,domain:The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme. ,domain:The UBA domain interacts with poly-ubiquitinated proteins. ,function: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. May also be involved in EGFR ubiquitination and internalization. ,miscellaneous:This protein has one functional calcium-binding site. , pathway:Protein modification; protein ubiquitination. ,PTM:Auto-ubiquitinated upon EGF-mediated cell activation or upon T-cell costimulation by CD28; which promotes proteasomal degradation. ,PTM:Phosphorylated on tyrosine residues upon TCR or BCR activation , and upon various types of cell stimulation. ,sequence caution:Translated as Arg. ,similarity:Contains 1 CBL N-terminal domain. ,similarity:Contains 1 RING-type zinc finger. ,similarity:Contains 1 SH2 domain. ,similarity:Contains 1 UBA domain. ,similarity:Contains 2 EF-hand-like domains. ,subcellular location :Upon EGF stimulation , associates with endocytic vesicles. ,subunit:Interacts with SH3 domain-containing proteins LCK , CRK and SORBS1. Interacts with LCP2 and ZAP70. May interact with CBL (By similarity) . Interacts with SH3 domain-containing proteins VAV1 , FYN , FGR , PLCG1 , GRB2 , CRKL , PIK3R1 and SH3KBP1/CIN85. Identified in heterotrimeric complexes with SH3KBP1/CIN85 , CD2AP and ARHGEF7 , where one CBLB peptide binds two copies of the other protein. Interacts with poly-ubiquitinated proteins. Dimerization is required for the binding of poly-ubiquitin , but not for the binding of mono-ubiquitin. ,tissue specificity:Expressed in placenta , heart , lung , kidney , spleen , ovary and testis , as well as fetal brain and liver and hematopoietic cell lines , but not in adult brain , liver , pancreas , salivary gland , or skeletal muscle. Present in lymphocytes (at protein level) . ,

细胞定位 纯化

Cytoplasm . Upon EGF stimulation , associates with endocytic vesicles.
Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.

Clonality

Monoclonal