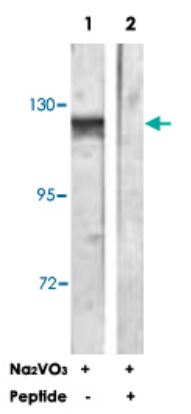
CBL polyclonal antibody

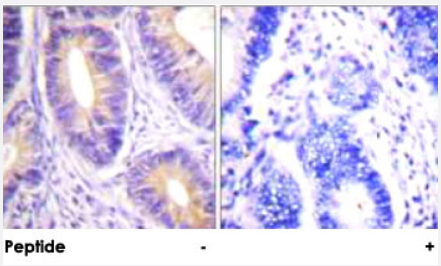
Catalog # PAB18167 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HepG2 cells, treated with Na_2VO_3 (0.3 nM, 40 mins), using CBL polyclonal antibody (Cat # PAB18167).
Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using CBL polyclonal antibody (Cat # PAB18167).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CBL.
Immunogen	A synthetic peptide corresponding to human CBL.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to CBL.
Form	Liquid

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Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HepG2 cells, treated with Na_2VO_3 (0.3 nM, 40 mins), using CBL polyclonal antibody (Cat # PAB18167).
  Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using CBL polyclonal antibody (Cat # PAB18167).
  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CBL

Entrez GeneID	867
Protein Accession#	P22681
Gene Name	CBL
Gene Alias	C-CBL, CBL2, RNF55
Gene Description	Cas-Br-M (murine) ecotropic retroviral transforming sequence
Omim ID	165360

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Gene Ontology	Hyperlink
Gene Summary	The cbl oncogene was first identified as part of a transforming retrovirus which induces mouse pre-B and pro-B cell lymphomas. As an adaptor protein for receptor protein-tyrosine kinases, it positively regulates receptor protein-tyrosine kinase ubiquitination in a manner dependent upon its variant SH2 and RING finger domains. Ubiquitination of receptor protein-tyrosine kinases terminates signaling by marking active receptors for degradation. [provided by RefSeq
Other Designations	oncogene CBL2

Publication Reference

- Spontaneous tumor rejection by cbl-b-deficient CD8+ T cells.

  Loeser S, Loser K, Bijker MS, Rangachari M, van der Burg SH, Wada T, Beissert S, Melief CJ, Penninger JM.

  The Journal of Experimental Medicine 2007 Apr; 204(4):879.

- Regulatory defects in Cbl and mitogen-activated protein kinase (extracellular signal-related kinase) pathways cause persistent hyperexpression of CD40 ligand in human lupus T cells.

  Yi Y, McNerney M, Datta SK.

  The Journal of Immunology 2000 Dec; 165(11):6627.

  Application: WB-Ce, Human, Lupus T cells

Pathway

- Chronic myeloid leukemia
- Endocytosis
- ErbB signaling pathway
- Insulin signaling pathway
- Jak-STAT signaling pathway
- Pathways in cancer
- T cell receptor signaling pathway
- Ubiquitin mediated proteolysis

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Disease

- Diabetes Mellitus
- Disease Progression
- Genetic Predisposition to Disease
- Leukemia
- Tobacco Use Disorder

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