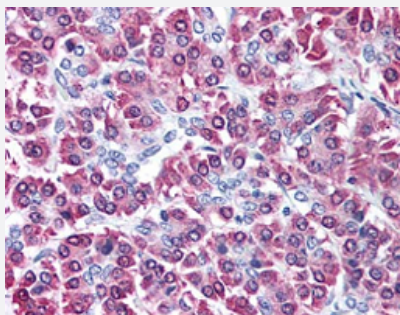


## CBLC polyclonal antibody

Catalog # PAB9985

Size 100 ug

### Applications



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

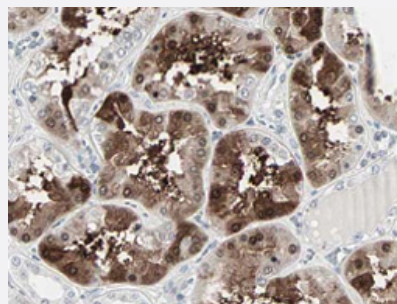
Immunohistochemical staining of CBLC polyclonal antibody (Cat # PAB9985) was used at 5 ug/mL to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides.

This image shows moderate intracellular positive staining of human pancreatic acinar epithelium at 40X.

Tissue was formalin-fixed and paraffin embedded.

The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain.

Personal Communication, Tina Roush, Life Span Biosciences, Seattle, WA.



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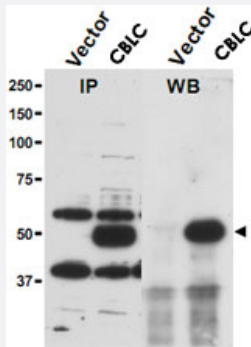
Immunohistochemistry CBLC polyclonal antibody (Cat # PAB9985) shows strong nuclear and cytoplasmic staining of cells in tubuli in human kidney tissue.

Tissue was formalin-fixed and paraffin embedded.

Brown color indicates presence of protein, blue color shows cell nuclei.

Personal Communication, Kenneth Wester, [www.proteinatlas.org](http://www.proteinatlas.org), Uppsala, Sweden.

## Immunoprecipitation



Immunoprecipitation and western blot using CBLC polyclonal antibody (Cat # PAB9985) shows detection of a pre-dominant band at ~52 kDa corresponding to CBLC (arrowhead) in transfected cell lysates (left panel).

Lysates are from HEK 293T cells transfected with empty vector or with CBLC. The predicted size of CBLC is 52 kDa.

Size markers in kDa are shown to the left of the panel.

The right panel shows western blotting after first immunoprecipitating with Rabbit anti-CBLC followed by immunoblotting using a Goat anti-CBLC antibody.

Personal Communication. Stan Lipkowitz, NCI, NIH, Bethesda, MD.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of CBLC.
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids 444-458 of human CBLC.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Chimpanzee, Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:10000-1:50000) Western Blot (1:500-1:3000) Immunohistochemistry (1:500-1:3000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

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

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Personal Communication. Stan Lipkowitz, NCI, NIH, Bethesda, MD.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CBLC

Entrez GeneID [23624](#)

Protein Accession# [Q9ULV8](#)

Gene Name CBLC

Gene Alias CBL-3, CBL-SL, RNF57

Gene Description Cas-Br-M (murine) ecotropic retroviral transforming sequence c

Omim ID [608453](#)

Gene Ontology [Hyperlink](#)

## Gene Summary

CBL proteins, such as CBLC, are phosphorylated upon activation of a variety of receptors that signal via protein tyrosine kinases. Through interactions with proteins containing SRC (MIM 190090) homology-2 (SH2) and SH3 domains, CBL proteins modulate downstream cell signaling (Keane et al., 1999 [PubMed 10362357]).[supplied by OMIM]

## Other Designations

Cas-Br-M (murine) ectropic retroviral transforming sequence c

## Publication Reference

- [Molecular cloning and characterization of a novel cbl-family gene, cbl-c.](#)

Kim M, Tezuka T, Suzuki Y, Sugano S, Hirai M, Yamamoto T.

Gene 1999 Oct; 239(1):145.

Application: IP, WB-Ce, WB-Tr, Human, COLO320DM, DLD-1, HCT-15, HEK 293T cells

- [cbl-3: a new mammalian cbl family protein.](#)

Keane MM, Ettenberg SA, Nau MM, Banerjee P, Cuello M, Penninger J, Lipkowitz S.

Oncogene 1999 Jun; 18(22):3365.

## 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](#)