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Datasheet for ABIN129659

anti-CBLC antibody (AA 444-458)

3 Images

Overview

Quantity:	100 µg
Target:	CBLC
Binding Specificity:	AA 444-458
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBLC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	This affinity-purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 444-458 of Human Cbl-c.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	CBLC
Abstract:	CBLC Products
Background:	This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. Cbl-c is also known as signal transduction protein CBL-C, SH3-binding protein CBL-C, CBL-3, and RING finger protein 57. Cbl proteins are a family of ubiquitin protein

Target Details

ligases (E3s) that negatively regulate signaling by targeting activated tyrosine kinases for degradation. Cbl-c (a.k.a. Cbl-3) is the most recently cloned member of the Cbl proteins and is expressed only in epithelial cells (the other Cbl proteins are ubiquitously expressed). Cbl-c, like the other mammalian Cbl proteins, can ubiquitinate the activated EGFR and target it for degradation. Cbl-c knock out mice show no obvious phenotype. Thus, the physiological role of Cbl-c is not known.

Synonyms: Cas Br M (murine) ectropic retroviral transforming sequence c antibody, Casitas B lineage lymphoma c antibody, CBL 3 antibody, CBL SL antibody, RING finger protein 57 antibody, RNF57 antibody, SH3 binding protein CBL C antibody

Gene ID: 23624, 125987803

UniProt: [Q9ULV8](#)

Pathways: [EGFR Signaling Pathway](#)

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA, immunohistochemistry, immunoprecipitation and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~52 kDa in size corresponding to Cbl-c by western blotting in the appropriate cell lysate or extract.

Restrictions: For Research Use only

Handling

Format: Liquid

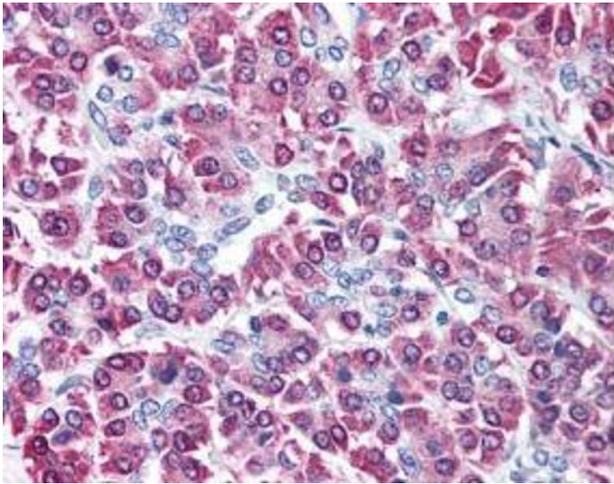
Concentration: 1.42 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: Sodium azide

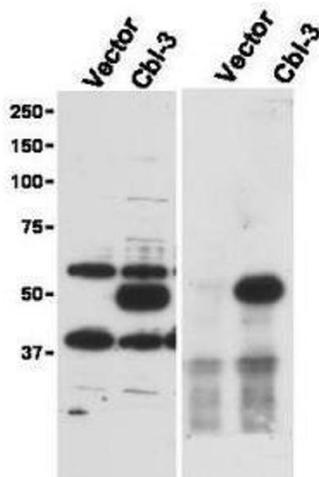
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C



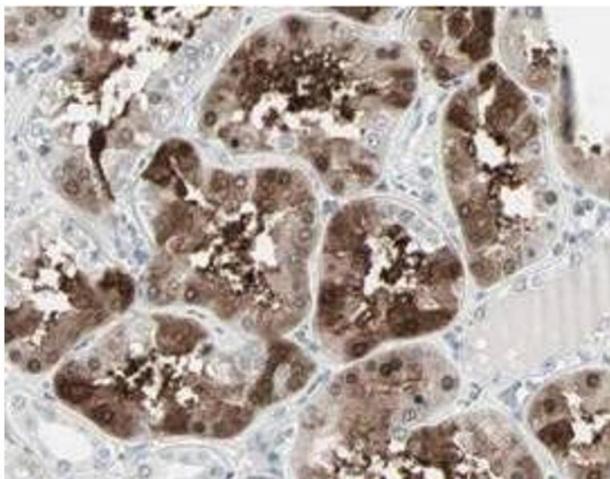
Immunohistochemistry

Image 1. affinity purified anti-Cbl-c antibody was used at 5 μ g/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, LifeSpanBiosciences, Seattle, WA.



Western Blotting

Image 2. Immunoprecipitation and western blot using Affinity Purified anti-Cbl-c antibody shows detection of a pre-dominant band at ~52 kDa corresponding to Cbl-c (arrowhead) in transfected cell lysates (left panel). Lysates are from Hek 293T cells transfected with empty vector or with Cbl-c. The predicted size of Cbl-c 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-Cbl-c followed by western blotting using a Goat anti-Cbl-c antibody. Personal Communication. Stan Lipkowitz, NCI, NIH, Bethesda, MD.



Immunohistochemistry

Image 3. 1.42 mg/ml (by UV absorbance at 280 nm)