

#### OriGene Technologies, Inc.

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# **Product datasheet for TA319195**

# Cbl c (CBLC) Rabbit Polyclonal Antibody

## **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:10,000 - 1:50,000, WB: 1:500 - 1:3,000, IHC: 1:500 - 1:3,000
Reactivity:	Human
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Cbl proto-oncogene C
Database Link:	<u>NP_001124324</u> <u>Entrez Gene 23624 Human</u> <u>Q9ULV8</u>
Synonyms:	CBL-3; CBL-SL; RNF57
Note:	This antibody 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 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.



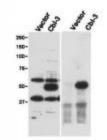
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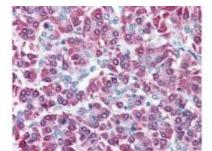
### **Cbl c (CBLC) Rabbit Polyclonal Antibody – TA319195**

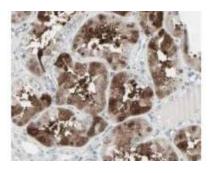
#### Protein Families: Druggable Genome

Protein Pathways:Chronic myeloid leukemia, Endocytosis, ErbB signaling pathway, Insulin signaling pathway,<br/>Jak-STAT signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Ubiquitin<br/>mediated proteolysis

### **Product images:**







IP and WB using 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 WBting after first immunoprecipitating with Rabbit anti-Cbl-c followed by WBting using a Goat anti-Cbl-c antibody.

Anti-Cbl-c antibody was used at 5 ?g/ml to detect signal in a variety of tissues including multihuman, 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 Communi-cation, Tina Roush, LifeSpanBiosciences, Seattle, WA.

Affinity Purified anti-Cbl-c antibody shows strong nuclear and cytoplasmic staining of cells in tubuli in human kidney tissue. Tissue was formalinfixed and paraffin embedded. Brown color indicates presence of protein, blue color shows cell nuclei. Personal Communication, Kenneth Wester, www.proteinatlas.org, Uppsala, Sweden.

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