

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
Isotype:	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:	NP_001124324 Entrez Gene 23624 Human Q9ULV8
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.

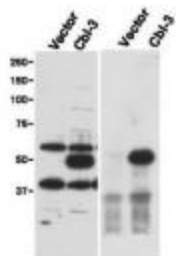


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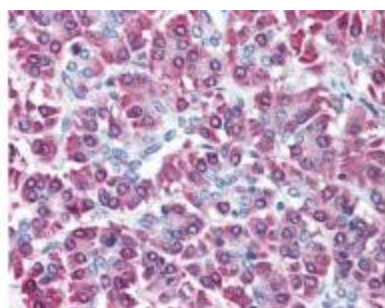
Protein Families: Druggable Genome

Protein Pathways: 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

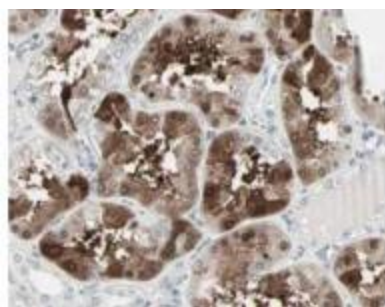
Product images:



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 µg/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.



Affinity Purified anti-Cbl-c antibody 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, Uppsala, Sweden.