CBL-C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CBL-C, Polyclonal Antibody
Full Product Name	CBL-C, CT (Signal Transduction Protein CBL-C, SH3-binding Protein CBL-C, SH3-binding Protein CBL-3, CBL3, RING Finger Protein 57, RNF57) (MaxLight 405)
Product Gene Name	anti-CBL-C antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human Cbl.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	52.456
OMIM	608453
3D Structure	ModBase 3D Structure for Q9ULV8
Immunogen	Synthetic peptide selected from the C-terminal region of human Cbl-c (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-CBL-C antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-CBL-C antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-CBL-C antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-CBL-C antibody	MBS6466255 is an antibody targeting CBL-C. Also known as CBL-C, CT (Signal Transduction Protein CBL-C, SH3-binding Protein CBL-C, SH3-binding Protein CBL-3, CBL3, RING Finger Protein 57, RNF57) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-CBL-C antibody	1. Strausberg, R.L., et al., Proc. Natl. Acad. Sci. USA 99(26):16899-16903 (2002). 2. Keane, M.M., et al., Oncogene 18(22):3365-3375 (1999). 3. Kim, M., et al., Gene 239(1):145-154 (1999).
Other Notes	Small volumes of anti-CBL-C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CBL-C. It may not necessarily be applicable to this product.

NCBI GI #	195927027
NCBI GeneID	23624
NCBI Accession #	NP_036248
UniProt Primary Accession #	Q9ULV8
UniProt Related Accession #	Q9ULV8
GenBank Nucleotide #	NP_036248.3
NCBI Official Full Name	E3 ubiquitin-protein ligase CBL-C isoform 1
NCBI Official Synonym Full Names	Cbl proto-oncogene C
NCBI Official Symbol	CBLC
NCBI Official Synonym Symbols	CBL-3; RNF57; CBL-SL
UniProt Protein Name	E3 ubiquitin-protein ligase CBL-C
UniProt Synonym Protein Names	RING finger protein 57; SH3-binding protein CBL-3; SH3-binding protein CBL-C; Signal transduction protein CBL-C
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	CBLC
UniProt Synonym Gene Names	CBL3; RNF57
UniProt Entry Name	CBLC_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase CBL-C
NCBI Summary for CBL-C	This gene encodes a member of the Cbl family of E3 ubiquitin ligases. Cbl proteins play important roles in cell signaling through the ubiquitination and subsequent downregulation of tyrosine kinases. Expression of this gene may be restricted to epithelial cells, and alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]
UniProt Comments for CBL-C	Cbl-c: Regulator of EGFR mediated signal transduction. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin ligase; EC 6.3.2.-; Ligase; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: nucleus Molecular Function: signal transducer activity; phosphotyrosine binding; zinc ion binding; calcium ion binding; SH3 domain binding; ligase activity; epidermal growth factor receptor binding Biological Process: negative regulation of epidermal growth factor receptor activity; negative regulation of epidermal growth factor receptor signaling pathway; negative regulation of MAP kinase activity; cell surface receptor linked signal transduction; protein ubiquitination during ubiquitin-dependent protein catabolic process; protein ubiquitination
Research Articles on CBL-C	**1.** Cbl-c is the most recently identified Cbl protein and is expressed exclusively in epithelial cells. Data mining reveals Cbl-c mutations associated with solid tumors. Subsequent cell-based analysis demonstrates a loss of E3 function and dominant negative effects for one of these mutations.
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