

## Product datasheet for **AP09517PU-N**

### CBL Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthesized non-phosphopeptide derived from human c-Cbl around the phosphorylation site of tyrosine 700 (T-E-YP-M-T)
Specificity:	c-Cbl Antibody detects endogenous levels of total c-Cbl protein.
Formulation:	Phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Cbl proto-oncogene
Database Link:	<a href="#">Entrez Gene 867 Human P22681</a>



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**Background:**

The proto-oncogene c-CBL was initially identified as the cellular homologue of v-CBL oncogene that induces pre-B cell lymphomas and myeloid leukemias in mice. In more recent studies CBL has been shown to be a negative regulator of tyrosine kinase signaling. The ubiquitin ligase activity of CBL leads to the degradation of tyrosine kinases, thus attenuating the signal of receptors. Targets of CBL include activated protein tyrosine kinases belonging to the Src and Syk/Zap-70 families. An additional mechanism to attenuate receptor signaling is thought to be achieved by CBL's interaction with downstream targets of tyrosine kinases, such as PI-3K and Vav.

**Synonyms:**

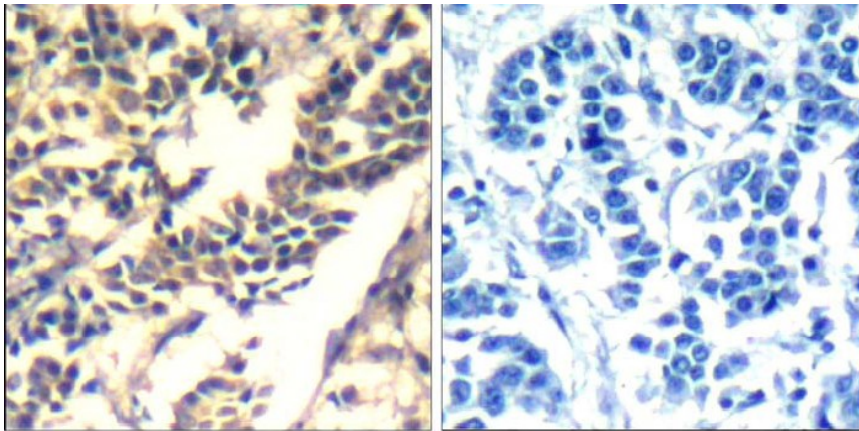
RING finger protein 55, CBL2, c-CBL

**Protein Families:**

Druggable Genome, Transcription Factors

**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:**

Peptide

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Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using c-Cbl Antibody