

## Rabbit Anti-CBL Polyclonal Antibody

CPB-866RH Rabbit(CBL)

Lot. No. (See product label)

### PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti-CBL Polyclonal Antibody
<b>Antigen Description</b>	Participates in signal transduction in hematopoietic cells. Adapter protein that functions as a negative regulator of many signaling pathways that start from receptors at the cell surface. Acts as an E3 ubiquitin-protein ligase, which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome. Recognizes activated receptor tyrosine kinases, including PDGFA, EGF and CSF1, and terminates signaling.
<b>specificity</b>	The antibody detects endogenous level of CBL only when phosphorylated at tyrosine 700.
<b>Target</b>	CBL
<b>Immunogen</b>	Peptide sequence around phosphorylation site of tyrosine 700 (T-E-Y(p)-M-T) derived from Human CBL.
<b>Host</b>	Rabbit
<b>Species</b>	Human
<b>Cross Reactivity</b>	Human
<b>conjugation</b>	N/A
<b>Applications</b>	IFA, WB, IHC

### PACKAGING

<b>Format</b>	Supplied at 1.0mg/mL in 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.
<b>Storage</b>	Store at -20°C / 1 year

### ANTIGEN GENE INFORMATION

<b>Gene Name</b>	<a href="#">CBL Cbl proto-oncogene, E3 ubiquitin protein ligase [ Homo sapiens ]</a>
<b>Official Symbol</b>	CBL
<b>Synonyms</b>	CBL; Cbl proto-oncogene, E3 ubiquitin protein ligase; Cas Br M (murine) ecotropic retroviral transforming sequence, CBL2; E3 ubiquitin-protein ligase CBL; c Cbl; oncogene CBL2; RNF55; proto-oncogene c-Cbl; RING finger protein 55; signal transduction protein CBL; casitas B-lineage lymphoma proto-oncogene; Cas-Br-M (murine) ecotropic retroviral transforming sequence; CBL2; NSLL; C-CBL;
<b>GeneID</b>	<a href="#">867</a>
<b>mRNA Refseq</b>	<a href="#">NM_005188</a>
<b>Protein Refseq</b>	<a href="#">NP_005179</a>
<b>MIM</b>	<a href="#">165360</a>
<b>UniProt ID</b>	P22681
<b>Chromosome Location</b>	11q23.3-qter

**Pathway**

Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem;

**Function**

SH3 domain binding; calcium ion binding; ephrin receptor binding; ligase activity; phosphotyrosine binding; protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; ubiquitin-protein ligase activity; zinc ion binding;