

# Phospho-CBL (Ser669) Rabbit mAb

Catalog # AP75205

## Product Information

---

Application	WB
Primary Accession	<a href="#">P22681</a>
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	99633

## Additional Information

---

Gene ID	867
Other Names	CBL
Dilution	WB~~1/500-1/1000
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

---

Name	CBL
Synonyms	CBL2, RNF55
Function	<p>E3 ubiquitin-protein ligase that acts as a negative regulator of many signaling pathways by mediating ubiquitination of cell surface receptors (PubMed:<a href="#">10514377</a>, PubMed:<a href="#">11896602</a>, PubMed:<a href="#">14661060</a>, PubMed:<a href="#">14739300</a>, PubMed:<a href="#">15190072</a>, PubMed:<a href="#">17509076</a>, PubMed:<a href="#">18374639</a>, PubMed:<a href="#">19689429</a>, PubMed:<a href="#">21596750</a>, PubMed:<a href="#">28381567</a>). Accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and then transfers it to substrates promoting their degradation by the proteasome (PubMed:<a href="#">10514377</a>, PubMed:<a href="#">14661060</a>, PubMed:<a href="#">14739300</a>, PubMed:<a href="#">17094949</a>, PubMed:<a href="#">17509076</a>, PubMed:<a href="#">17974561</a>). Recognizes activated receptor tyrosine kinases, including KIT, FLT1, FGFR1, FGFR2, PDGFRA, PDGFRB, CSF1R, EPHA8 and KDR and mediates their ubiquitination to terminate signaling (PubMed:<a href="#">15190072</a>, PubMed:<a href="#">18374639</a>, PubMed:<a href="#">21596750</a>). Recognizes membrane-bound HCK, SRC and other kinases of the SRC family and mediates their ubiquitination and degradation (PubMed:<a href="#">11896602</a>). Ubiquitinates EGFR and SPRY2 (PubMed:<a href="#">17094949</a>, PubMed:<a href="#">17974561</a>). Ubiquitinates NECTIN1 following association between NECTIN1 and herpes simplex virus 1/HHV-1 envelope glycoprotein D, leading</p>

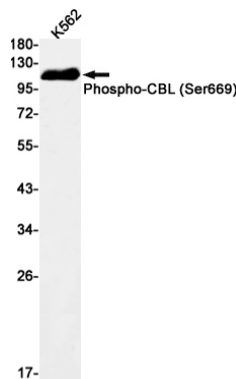
to NECTIN1 removal from cell surface (PubMed:[28381567](#)). Participates in signal transduction in hematopoietic cells. Plays an important role in the regulation of osteoblast differentiation and apoptosis (PubMed:[15190072](#), PubMed:[18374639](#)). Essential for osteoclastic bone resorption (PubMed:[14739300](#)). The 'Tyr-731' phosphorylated form induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function (PubMed:[14739300](#)). May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3. In association with CBLB, required for proper feedback inhibition of ciliary platelet-derived growth factor receptor-alpha (PDGFRA) signaling pathway via ubiquitination and internalization of PDGFRA (By similarity).

## Cellular Location

Cytoplasm. Cell membrane. Cell projection, cilium. Golgi apparatus.  
Note=Colocalizes with FGFR2 in lipid rafts at the cell membrane

## Images

---



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.