

Cbl (PT1261R) PT™ Rabbit mAb

CatalogNo: YM9103 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 100kD (Calculated)
- 110kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT1261R

Immunogen Information

Specificity Endogenous

| Target Information

Gene name CBL

Protein Name E3 ubiquitin-protein ligase CBL

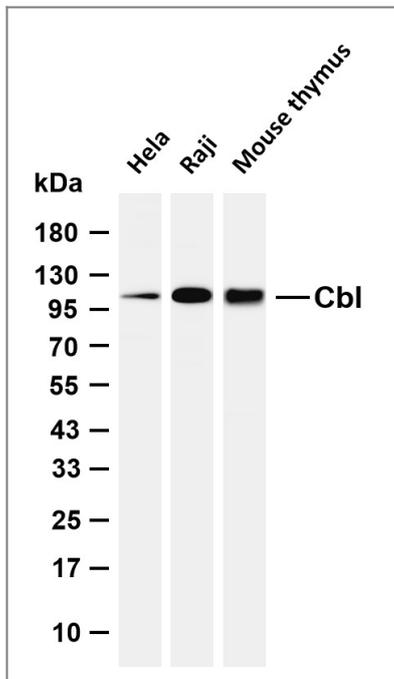
Organism	Gene ID	UniProt ID
Human	867 ;	P22681 ;
Mouse	12402 ;	P22682 ;

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

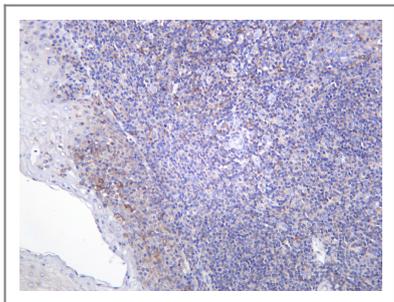
Tissue specificity Epithelium,T-cell,

Function Disease:Can be converted to an oncogenic protein by deletions or mutations that disturb its ability to down-regulate RTKs.,Domain:The N-terminus is composed of the phosphotyrosine binding (PTB) domain, a short linker region and the RING-type zinc finger. The PTB domain, which is also called TKB (tyrosine kinase binding) domain, is composed of three different subdomains: a four-helix bundle (4H), a calcium-binding EF hand and a divergent SH2 domain.,Domain:The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.,Function: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.,miscellaneous:This protein has one functional calcium-binding site.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated on tyrosine residues by EGFR, SYK, FYN and ZAP70 (By similarity). Phosphorylated on tyrosine residues by INSR.,similarity:Contains 1 CBL N-terminal domain.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 1 SH2 domain.,similarity:Contains 1 UBA domain.,similarity:Contains 2 EF-hand-like domains.,subunit:Associates with NCK via its SH3 domain. The phosphorylated C-terminus interacts with CD2AP via its second SH3 domain. Binds to UBE2L3. Interacts with adapters SLA, SLA2 and with the phosphorylated C-terminus of SH2B2. Interacts with EGFR, SYK and ZAP70 via the highly conserved Cbl-N region. Also interacts with SORBS1 and INPPL1/SHIP2. Interacts with phosphorylated LAT2. May interact with CBLB.,

| Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cbl (PT1261R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: Raji Lane 3: Mouse thymus Predicted band size: 100kDa Observed band size: 110kDa



Human tonsil was stained with anti-Cbl (PT1261R) Rabbit antibody

Contact information

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Please scan the QR code to access additional product information:
Cbl (PT1261R) PT™
Rabbit mAb

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