

Cbl

Rabbit Monoclonal Antibody | Product Data Sheet

Catalog# 1487-1

Quantity: 100ul

Clone ID: YE315

Species Cross-reactivity* + Human - Mouse - Rat

Applications: + WB + IHC + ICC - IP - FC

Lot #: Please refer to vial

Molecular Wt.: 120 kDa

UniProt ID: P22681

Background: c-Cbl, product of c-cbl proto-oncogene, is a 120 kDa cytoplasmic protein involved in tyrosine kinase-dependent signaling pathways (1-3). c-Cbl is one of the earliest targets of tyrosine phosphorylation in response to a number of cellular stimuli. For instance, stimulation of growth factor receptors by EGF, PDGF, NGF and FGF, results in c-Cbl tyrosine phosphorylation, in lymphoid and other cell lines (4).

Specificity: A synthetic peptide corresponding to residues in the central region of human Cbl was used as immunogen. This antibody may cross-react with Cbl-b, based on sequence analysis.

Storage Condition and Buffer: Store at -20 °C. Buffer: Antibody buffer, sodium azide, glycerol, and BSA. Stable for 12 months from date of receipt.

Recommended Dilutions:

WB: 1:500

IHC: 1:50

ICC: 1:100

Background References:

1. Langdon, W. Y., et al. v-cbl, an oncogene from a dual-recombinant murine retrovirus that induces early B-lineage lymphomas. Proc. Natl. Acad. Sci. USA 86: 1168
2. Blake, T. J., et al. The truncation that generated the v-cbl oncogene reveals an ability for nuclear transport, DNA binding and acute transformation. EMBO J. 12: 2017
3. Joazeiro, C. A., et al. The tyrosine kinase negative regulator c-Cbl as a RING-type, E2-dependent ubiquitin-protein ligase. Science 286: 309
4. Galisteo, M. L., et al. Tyrosine phosphorylation of the c-cbl proto-oncogene protein product and association with epidermal growth factor (EGF) receptor upon EGF stimulation. J. Biol. Chem. 270: 20242-5 (1995).

*Cross reactivity determined by western blot only.

Product QC'd by:

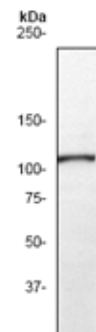


Fig 1. A. Western blot analysis on Jurkat cell lysates using anti-Cbl RabMAb (catalog #1487-1), 1:500 dilution.

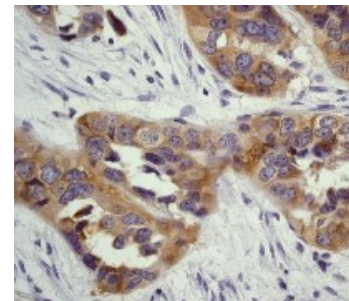


Fig 2. B. Immunohistochemical analysis of paraffin-embedded adenocarcinoma of uterus using anti-Cbl RabMAb (catalog #1487-1).

For research use only. Not for use in diagnostic or therapeutic applications.

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit www.epitomics.com
Epitomics, Inc., 863 Mitten Road, Suite 103 Burlingame, California 94010-1303