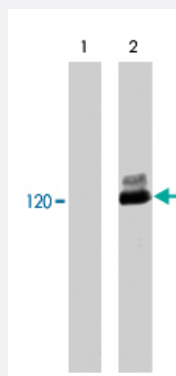


CBL (phospho Y700) monoclonal antibody, clone M161

Catalog # MAB1380

Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of human Jurkat cells untreated (lane 1) or treated with pervanadate (1 mM) for 30 minutes (lane 2). The blot was probed with CBL (phospho Y700) monoclonal antibody, clone M161 (Cat # MAB1380).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic phosphopeptide of CBL.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y700 of human CBL.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	This sequence is highly conserved in rat and mouse c-Cbl.
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of human Jurkat cells untreated (lane 1) or treated with pervanadate (1 mM) for 30 minutes (lane 2). The blot was probed with CBL (phospho Y700) monoclonal antibody, clone M161 (Cat # MAB1380).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CBL

Entrez GeneID[867](#)**Gene Name**

CBL

Gene Alias

C-CBL, CBL2, RNF55

Gene Description

Cas-Br-M (murine) ecotropic retroviral transforming sequence

Omim ID[165360](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The cbl oncogene was first identified as part of a transforming retrovirus which induces mouse pre-B and pro-B cell lymphomas. As an adaptor protein for receptor protein-tyrosine kinases, it positively regulates receptor protein-tyrosine kinase ubiquitination in a manner dependent upon its variant SH2 and RING finger domains. Ubiquitination of receptor protein-tyrosine kinases terminates signaling by marking active receptors for degradation. [provided by RefSeq]

Other Designations

oncogene CBL2

Publication Reference

- [Cbl: many adaptations to regulate protein tyrosine kinases.](#)

Thien CB, Langdon WY.

Molecular and Cellular Biology 2001 Apr; 2(4):294.

Application: WB, Human, Mammalian cells

- [The protein product of the c-cbl protooncogene is the 120-kDa tyrosine-phosphorylated protein in Jurkat cells activated via the T cell antigen receptor.](#)

Donovan JA, Wange RL, Langdon WY, Samelson LE.

The Journal of Biological Chemistry 1994 Sep; 269(37):22921.

- [Physical association between Src homology 3 elements and the protein product of the c-cbl proto-oncogene.](#)

Rivero-Lezcano OM, Sameshima JH, Marcilla A, Robbins KC.

The Journal of Biological Chemistry 1994 Jul; 269(26):17363.

Application: IP, WB-Ce, Human, HL-60 cells

Pathway

- [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](#)

Disease

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)

- [Leukemia](#)
- [Tobacco Use Disorder](#)