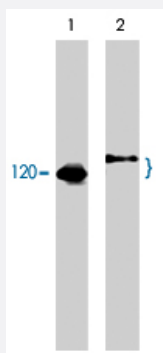


# CBL monoclonal antibody, clone M159

Catalog # MAB1378

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 monoclonal antibody, clone M159 (Cat # MAB1378).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against synthetic peptide of CBL.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CBL.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	This sequence is highly conserved in rat and mouse c-Cbl.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:2000) Western Blot (1:500) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	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 monoclonal antibody, clone M159 (Cat # MAB1378).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CBL

**Entrez GeneID**[867](#)**Protein Accession#**[P22681](#)**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.

Application: IP, WB-Ce, WB-Re, Human, Jurkat cells, Recombinant protein

- [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](#)