**BACKGROUND**

Cbl (also designated the c-Cbl proto-oncogene, E3 ubiquitin-protein ligase CBL, Casitas B-lineage lymphoma proto-oncogene and RING finger protein 55) has been identified as the cellular homolog of the v-Cbl oncogene isolated from a NFS/N mouse that developed a pre-B cell lymphoma following infection with the replication-competent Cas Br-M murine leukemic virus. C-Cbl is expressed at relatively high levels in a wide range of hematopoietic tumor cell lines as well as in normal tissues such as thymus and testis. The c-Cbl gene product has been identified as a cytoplasmic protein with apparent DNA binding and dimerization domains characteristic of transcription factors. A single c-Cbl locus termed CBL2 has been mapped to human chromosome 11q23.3. This region of chromosome 11 is involved in translocations and deletions in a broad range of leukemias; c-Cbl has been found to be translocated from chromosome 11 in leukemias with either t(4;11) or t(11;14) abnormalities.

**CHROMOSOMAL LOCATION**

Genetic locus: CBL (human) mapping to 11q23.3; Cbl (mouse) mapping to 9 A5.1.

**SOURCE**

Cbl (C-15) is available as either rabbit (sc-170) or goat (sc-170-G) affinity purified polyclonal antibody raised against a peptide mapping at the C-terminus of Cbl of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-170 P (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as agarose conjugate for immunoprecipitation, sc-170 AC, 500 µg/0.25 ml agarose in 1 ml, fluorescein (sc-170 FITC) or rhodamine (sc-170 TRITC) conjugates for immunofluorescence, 200 µg/ml, Alexa Fluor® 405 (sc-170 AF405), Alexa Fluor® 488 (sc-170 AF488) or Alexa Fluor® 647 (sc-170 AF647) conjugates for immunofluorescence; 100 µg/2 ml.

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**APPLICATIONS**

Cbl (C-15) is recommended for detection of normal and rearranged forms of Cbl of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000). Cbl (C-15) is also recommended for detection of Cbl in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for Cbl siRNA (h): sc-29242, Cbl siRNA (m): sc-29949, Cbl shRNA Plasmid (h): sc-29242-SH, Cbl shRNA Plasmid (m): sc-29949-SH, Cbl shRNA (h) Lentiviral Particles: sc-29242-V and Cbl shRNA (m) Lentiviral Particles: sc-29494-V.

Molecular Weight of Cbl: 120 kDa.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**DATA**

![Western blot analysis of Cbl expression in 3T3-L1 (A), NIH/3T3 (B) and B4 (C) whole cell lysates.](image)

![Immunoperoxidase staining of Cbl in human spleen tissue showing cytoplasmic staining of cells in seminiferous ducts (A) and paraffin-embedded human spleen tissue showing cytoplasmic staining of cells in white pulp and cells in red pulp (B).](image)

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

For research use only, not for use in diagnostic procedures.