10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Cblb Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19220B

Specification

Mouse Cblb Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q3TTA7
Other Accession	NP_001028410.1
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**109092**
Antigen Region	**862-889**

Mouse Cblb Antibody (C-term) - Additional Information

Gene ID 208650

Other Names
E3 ubiquitin-protein ligase CBL-B, 632-, Casitas B-lineage lymphoma proto-oncogene b, SH3-binding protein CBL-B, Signal transduction protein CBL-B, Cblb

Target/Specificity
This Mouse Cblb antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 862-889 amino acids from the C-terminal region of mouse Cblb.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Mouse Cblb Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Cblb Antibody (C-term) - Protein Information

Name Cblb

Function E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and transfers it to substrates, generally promoting their degradation by the proteasome. Negatively regulates TCR (T-cell receptor), BCR (B-cell receptor) and FCER1 (high affinity immunoglobulin epsilon receptor) signal transduction pathways. In naive T-cells, inhibits VAV1 activation upon TCR engagement and imposes a requirement for CD28 costimulation for proliferation and IL-2 production. Also acts by promoting PIK3R1/p85 ubiquitination, which impairs its recruitment to the TCR and subsequent activation. In activated T-cells, inhibits PLCG1 activation and calcium mobilization upon restimulation and promotes anergy. In B-cells, acts by ubiquitinating SYK and promoting its proteasomal degradation. Slightly promotes SRC ubiquitination. May be involved in EGFR ubiquitination and internalization. May be functionally coupled with the E2 ubiquitin-protein ligase UB2D3. In association with CBL, required for proper feedback inhibition of ciliary platelet-derived growth factor receptor-alpha (PDGFRA) signaling pathway via ubiquitination and internalization of PDGFRA (PubMed:29237719).

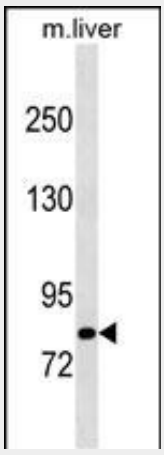
Cellular Location
Cytoplasm. Note=In adipocytes, translocates to the plasma membrane upon insulin stimulation

Mouse Cblb Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Cblb Antibody (C-term) - Images



Mouse Cblb Antibody (C-term) (Cat. #AP19220b) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the Cblb antibody detected the Cblb protein (arrow).

Mouse Cblb Antibody (C-term) - Background

E3 ubiquitin-protein ligase which accepts ubiquitin from specific E2 ubiquitin-conjugating enzymes, and transfers it to substrates, generally promoting their degradation by the proteasome. Negatively regulates TCR (T-cell receptor), BCR (B-cell receptor) and FCER1 (high affinity immunoglobulin

epsilon receptor) signal transduction pathways. In naive T-cells, inhibits VAV1 activation upon TCR engagement and imposes a requirement for CD28 costimulation for proliferation and IL-2 production. Also acts by promoting PIK3R1/p85 ubiquitination, which impairs its recruitment to the TCR and subsequent activation. In activated T-cells, inhibits PLCG1 activation and calcium mobilization upon restimulation and promotes anergy. In B-cells, acts by ubiquitinating SYK and promoting its proteasomal degradation. May also be involved in EGFR ubiquitination and internalization.

Mouse Cblb Antibody (C-term) - References

Wilson, B.G., et al. Cancer Cell 18(4):316-328(2010)
Stromnes, I.M., et al. J. Clin. Invest. 120(10):3722-3734(2010)
Naramura, M., et al. Proc. Natl. Acad. Sci. U.S.A. 107(37):16274-16279(2010)
Teh, C.E., et al. Proc. Natl. Acad. Sci. U.S.A. 107(33):14709-14714(2010)
Huang, H., et al. Immunity 33(1):60-70(2010)