

COBL Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10402a**Specification**

COBL Antibody (N-term) Blocking peptide - Product Information

Primary Accession [O75128](#)
Other Accession [NP_056013.2](#)

COBL Antibody (N-term) Blocking peptide - Additional Information

Gene ID 23242

Other Names

Protein cordon-bleu, COBL, KIAA0633

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COBL Antibody (N-term) Blocking peptide - Protein Information

Name COBL

Synonyms KIAA0633

Function

Plays an important role in the reorganization of the actin cytoskeleton. Regulates neuron morphogenesis and increases branching of axons and dendrites. Regulates dendrite branching in Purkinje cells (By similarity). Binds to and sequesters actin monomers (G actin). Nucleates actin polymerization by assembling three actin monomers in cross-filament orientation and thereby promotes growth of actin filaments at the barbed end. Can also mediate actin depolymerization at barbed ends and severing of actin filaments. Promotes formation of cell ruffles.

Cellular Location

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cell projection, ruffle Cytoplasm. Note=Recruited to the cell membrane via interaction with PACSIN1. Colocalizes with the actin cytoskeleton Detected throughout the neuron cell body, as well as in axons and dendrites (By similarity).

COBL Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

COBL Antibody (N-term) Blocking peptide - Images**COBL Antibody (N-term) Blocking peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Trynka, G., et al. Gut
58(8):1078-1083(2009)Barrett, J.C., et al. Nat. Genet. (2009) In press :de Krom, M., et al. Biol.
Psychiatry 65(7):625-630(2009)Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004)