

CORO1C Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18674b**Specification**

CORO1C Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9ULV4](#)**CORO1C Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 23603**Other Names**

Coronin-1C, Coronin-3, hCRNN4, CORO1C, CRN2, CRNN4

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.

CORO1C Antibody (C-term) Blocking Peptide - Protein Information**Name** CORO1C {ECO:0000303|PubMed:10828594, ECO:0000312|HGNC:HGNC:2254}**Function**

Plays a role in directed cell migration by regulating the activation and subcellular location of RAC1 (PubMed:25074804, PubMed:25925950). Increases the presence of activated RAC1 at the leading edge of migrating cells (PubMed:25074804, PubMed:25925950). Required for normal organization of the cytoskeleton, including the actin cytoskeleton, microtubules and the vimentin intermediate filaments (By similarity). Plays a role in endoplasmic reticulum- associated endosome fission: localizes to endosome membrane tubules and promotes recruitment of TMCC1, leading to recruitment of the endoplasmic reticulum to endosome tubules for fission (PubMed:30220460). Endosome membrane fission of early and late endosomes is essential to separate regions destined for lysosomal degradation from carriers to be recycled to the plasma membrane (PubMed:30220460). Required for normal cell proliferation, cell migration, and normal formation of lamellipodia (By similarity). Required for normal distribution of mitochondria within cells (By similarity).

Cellular Location

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium. Cell projection, ruffle membrane. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex Endosome membrane. Note=All isoforms colocalize with the actin cytoskeleton in the cytosol, and especially in the cell cortex (PubMed:10828594, PubMed:19651142, PubMed:25074804) Colocalizes with F-actin at the leading edge of lamellipodia. Partially colocalizes with microtubules and vimentin intermediate filaments (PubMed:10828594, PubMed:19651142, PubMed:25074804). Localizes to endosome membrane tubules/buds (PubMed:30220460)

Tissue Location

Ubiquitous..

CORO1C Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CORO1C Antibody (C-term) Blocking Peptide - Images**CORO1C Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-aspartate (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation.

CORO1C Antibody (C-term) Blocking Peptide - References

Luan, S.L., et al. J. Pathol. 222(2):166-179(2010) Wu, L., et al. Zhonghua Gan Zang Bing Za Zhi 18(7):516-519(2010) Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010) Samarin, S.N., et al. Biochem. Biophys. Res. Commun. 391(1):394-400(2010)