

**CORO1C Antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI15389****Specification**

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**CORO1C Antibody - C-terminal region - Product Information**

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">O9ULV4</a>                                         |
| Other Accession   | <a href="#">NM_014325</a> , <a href="#">NP_055140</a>          |
| Reactivity        | Human, Mouse, Rat, Rabbit, Horse, Bovine, Guinea Pig, Dog      |
| Predicted         | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog |
| Host              | Rabbit                                                         |
| Clonality         | Polyclonal                                                     |
| Calculated MW     | 53kDa KDa                                                      |

**CORO1C Antibody - C-terminal region - Additional Information****Gene ID** 23603

|                                                    |        |
|----------------------------------------------------|--------|
| Alias Symbol                                       | HCRNN4 |
| <b>Other Names</b>                                 |        |
| Coronin-1C, Coronin-3, hCRNN4, CORO1C, CRN2, CRNN4 |        |

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-CORO1C antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

CORO1C Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**CORO1C Antibody - C-terminal region - 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:<a href="http://www.uniprot.org/citations/25074804" target="\_blank">25074804</a>, PubMed:<a href="http://www.uniprot.org/citations/25925950" target="\_blank">25925950</a>). Increases the presence of activated RAC1 at the leading edge of migrating cells (PubMed:<a href="http://www.uniprot.org/citations/25074804" target="\_blank">25074804</a>, PubMed:<a href="http://www.uniprot.org/citations/25925950" target="\_blank">25925950</a>). 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:<a href="http://www.uniprot.org/citations/30220460" target="\_blank">30220460</a>). 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:<a href="http://www.uniprot.org/citations/30220460" target="\_blank">30220460</a>). 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

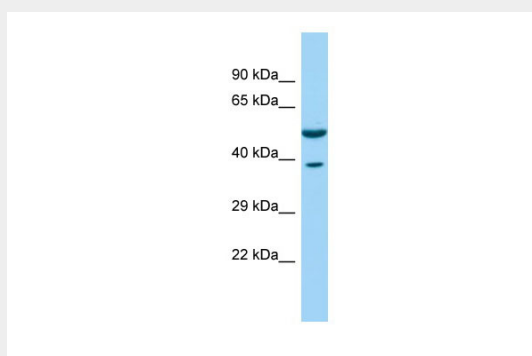
Ubiquitous..

## CORO1C Antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CORO1C Antibody - C-terminal region - Images



WB Suggested Anti-CORO1C Antibody Titration: 1.0 µg/ml  
Positive Control: Fetal Brain

## CORO1C Antibody - C-terminal region - References

Iizaka M., et al. Cytogenet. Cell Genet. 88:221-224(2000).

Xavier C.P.,et al.J. Mol. Biol. 393:287-299(2009).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).  
Scherer S.E.,et al.Nature 440:346-351(2006).