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

Specification

CORO1C Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q9ULV4
Other Accession	NM_014325, NP_055140
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**

Other Names
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: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)

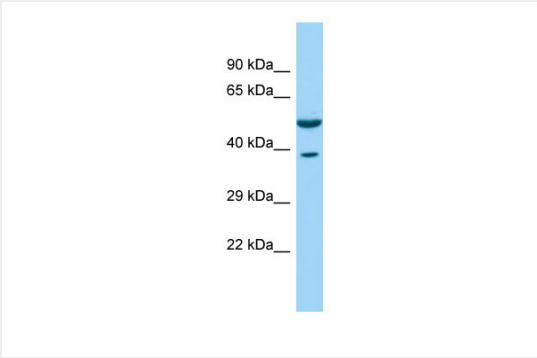
Tissue Location
Ubiquitous..

CORO1C Antibody - C-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 Cytomety
- 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).