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CORO1C Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15389

Product Information

Application	WB
Primary Accession	Q9ULV4
Other Accession	NM_014325, NP_055140
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53249

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.

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). Interacts with GDP-bound RAB44 in bone marrow macrophages to promote osteoclastogenesis (By similarity). Involved in the migration and chemotaxis of macrophages (By similarity).

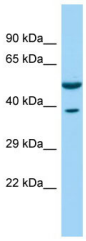
Cellular Location Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium. Cell projection, ruffle membrane. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex Endosome membrane. Note=All isoforms colocalize with the actin cytoskeleton in the cytosol, and especially 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..

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.