10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Coro1c Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15390

Product Information

Application	WB
Primary Accession	Q9WUM4
Other Accession	NM_011779, NP_035909
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53121

Additional Information

Gene ID	23790
Alias Symbol	AL022675, AW455561, AW548837
Other Names	Coronin-1C, Coronin-3, Coro1c
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

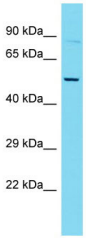
Name	Coro1c
Function	Plays a role in directed cell migration by regulating the activation and subcellular location of RAC1 (PubMed:25074804, PubMed:25925950). Increases the presence of activated RAC1 at the leading edge of migrating cells (PubMed:25074804, PubMed:25925950). Required for normal organization of the cytoskeleton, including the actin cytoskeleton, microtubules and the vimentin intermediate filaments (PubMed:27178841). Required for normal cell proliferation, cell migration, and normal formation of lamellipodia (PubMed:27178841). 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. 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 (By similarity). Required for normal distribution of mitochondria within cells (PubMed:27178841).
Cellular Location	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium. Cell projection, ruffle membrane. Cytoplasm, cytoskeleton. Cytoplasm, cell cortex Endosome membrane {ECO:0000250|UniProtKB:Q9ULV4}. Note=Colocalizes with the actin cytoskeleton in the cytosol, and especially in the cell cortex (PubMed:19651142, PubMed:22364218, PubMed:25074804, PubMed:27178841). Colocalizes with F-actin at the leading edge of lamellipodia (PubMed:22364218). Partially colocalizes with microtubules and vimentin intermediate filaments (PubMed:27178841). Localizes to endosome membrane tubules/buds (By similarity) {ECO:0000250|UniProtKB:Q9ULV4, ECO:0000269|PubMed:19651142, ECO:0000269|PubMed:22364218, ECO:0000269|PubMed:25074804, ECO:0000269|PubMed:27178841}
Tissue Location	Detected in skeletal muscle (at protein level) (PubMed:19651142). Detected in fibroblasts (at protein level) (PubMed:27178841). Ubiquitous (PubMed:9778037)

References

Okumura M.,et al.DNA Cell Biol. 17:779-787(1998).
Carninci P.,et al.Science 309:1559-1563(2005).
Ballif B.A.,et al.J. Proteome Res. 7:311-318(2008).
Park J.,et al.Mol. Cell 50:919-930(2013).

Images



Host: Rabbit
Target Name: Coro1c
Sample Tissue: Mouse Thymus lysates
Antibody Dilution: 1.0µg/ml