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# Coro1c Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15390

## Product Information

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| **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

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| **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

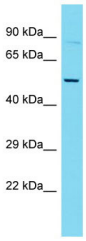
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| **Name** | Coro1c |
| **Function** | Plays a role in directed cell migration by regulating the activation and subcellular location of RAC1 (PubMed:25074804, PubMed:25925950). Increases the presence of activated RAC1 at the leading edge of migrating 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 |

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| | 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). Interacts with GDP-bound RAB44 in bone marrow macrophages to promote osteoclastogenesis (PubMed:35743062). Involved in the migration and chemotaxis of macrophages (PubMed:35743062). |
| **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

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