

**CORO1C Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18674b****Specification**

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**CORO1C Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9ULV4</a>
Other Accession	<a href="#">O9WUM4</a> , <a href="#">NP_055140.1</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	53249
Antigen Region	377-403

**CORO1C Antibody (C-term) - Additional Information****Gene ID** 23603**Other Names**

Coronin-1C, Coronin-3, hCRNN4, CORO1C, CRN2, CRNN4

**Target/Specificity**

This CORO1C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 377-403 amino acids from the C-terminal region of human CORO1C.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CORO1C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CORO1C Antibody (C-term) - 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

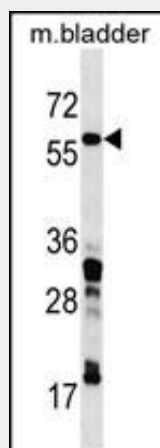
Ubiquitous..

#### CORO1C Antibody (C-term) - 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-term) - Images



CORO1C Antibody (C-term) (Cat. #AP18674b) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the CORO1C antibody detected the CORO1C protein

(arrow).

### **CORO1C Antibody (C-term) - Background**

This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-aspartate (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation.

### **CORO1C Antibody (C-term) - References**

Luan, S.L., et al. J. Pathol. 222(2):166-179(2010)  
Wu, L., et al. Zhonghua Gan Zang Bing Za Zhi 18(7):516-519(2010)  
Han, S., et al. Hum. Immunol. 71(7):727-730(2010)  
Rajaraman, P., et al. Cancer Epidemiol. Biomarkers Prev. 19(5):1356-1361(2010)  
Samarin, S.N., et al. Biochem. Biophys. Res. Commun. 391(1):394-400(2010)