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Goat Anti-Coronin 3 / coronin 1C Antibody

Peptide-affinity purified goat antibody
Catalog # AF1268a

Specification

Goat Anti-Coronin 3 / coronin 1C Antibody - Product Information

Application	**WB, E**
Primary Accession	Q9ULV4
Other Accession	NP_055140, 23603
Reactivity	**Human**
Predicted	**Pig**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**53249**

Goat Anti-Coronin 3 / coronin 1C Antibody - Additional Information

Gene ID 23603

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

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Coronin 3 / coronin 1C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Coronin 3 / coronin 1C Antibody - 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..

Goat Anti-Coronin 3 / coronin 1C Antibody - 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

Goat Anti-Coronin 3 / coronin 1C Antibody - Images

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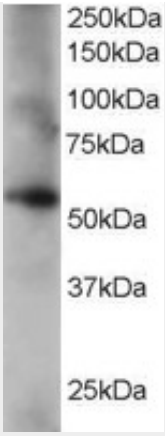

AF1268a staining (0.2 µg/ml) of human lung lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-Coronin 3 / coronin 1C Antibody - 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-asp (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.

Goat Anti-Coronin 3 / coronin 1C Antibody - References

Polymorphisms in innate immunity genes and risk of childhood leukemia. Han S, et al. Hum Immunol, 2010 Jul. PMID 20438785.
Risk of meningioma and common variation in genes related to innate immunity. Rajaraman P, et al. Cancer Epidemiol Biomarkers Prev, 2010 May. PMID 20406964.
Coronin 1C negatively regulates cell-matrix adhesion and motility of intestinal epithelial cells. Samarin SN, et al. Biochem Biophys Res Commun, 2010 Jan 1. PMID 19913511.
Structural and functional diversity of novel coronin 1C (CRN2) isoforms in muscle. Xavier CP, et al. J Mol Biol, 2009 Oct 23. PMID 19651142.
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.