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ARHGAP24 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13826b

Specification

ARHGAP24 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8N264
Other Accession	NP_001020787.2, NP_112595.2, NP_001036134.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**84258**
Antigen Region	**587-616**

ARHGAP24 Antibody (C-term) - Additional Information

Gene ID 83478

Other Names
Rho GTPase-activating protein 24, Filamin-A-associated RhoGAP, FilGAP, RAC1- and CDC42-specific GTPase-activating protein of 72 kDa, RC-GAP72, Rho-type GTPase-activating protein 24, RhoGAP of 73 kDa, Sarcoma antigen NY-SAR-88, p73RhoGAP, ARHGAP24, FILGAP

Target/Specificity
This ARHGAP24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 587-616 amino acids from the C-terminal region of human ARHGAP24.

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
ARHGAP24 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ARHGAP24 Antibody (C-term) - Protein Information

Name ARHGAP24

Synonyms FILGAP

Function Rho GTPase-activating protein involved in cell polarity, cell morphology and cytoskeletal organization. Acts as a GTPase activator for the Rac-type GTPase by converting it to an inactive GDP-bound state. Controls actin remodeling by inactivating Rac downstream of Rho leading to suppress leading edge protrusion and promotes cell retraction to achieve cellular polarity. Able to suppress RAC1 and CDC42 activity in vitro. Overexpression induces cell rounding with partial or complete disruption of actin stress fibers and formation of membrane ruffles, lamellipodia, and filopodia. Isoform 2 is a vascular cell-specific GAP involved in modulation of angiogenesis.

Cellular Location
Cytoplasm, cytoskeleton. Cell junction, adherens junction. Cell junction, focal adhesion. Cell projection Note=Localizes to actin stress fibers. In migrating cells, localizes to membrane lamellae and protusions

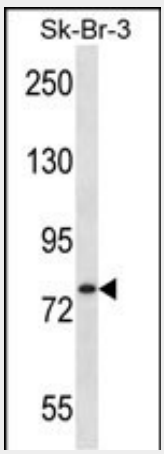
Tissue Location
Isoform 1 is widely expressed with a higher level in kidney. Isoform 2 is mainly expressed in endothelial cells

ARHGAP24 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 Cytomety
- Cell Culture

ARHGAP24 Antibody (C-term) - Images



ARHGAP24 Antibody (C-term) (Cat. #AP13826b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the ARHGAP24 antibody detected the ARHGAP24 protein (arrow).

ARHGAP24 Antibody (C-term) - Background

ARHGAPs, such as ARHGAP24, encode negative regulators of

Rho GTPases (see ARHA; MIM 165390), which are implicated in actin remodeling, cell polarity, and cell migration (Katoh and Katoh, 2004 [PubMed 15254788]).

ARHGAP24 Antibody (C-term) - References

Horinouchi, M., et al. Pediatr Hematol Oncol 27(5):344-354(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Holm, H., et al. Nat. Genet. 42(2):117-122(2010)
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Nakamura, F., et al. PLoS ONE 4 (3), E4928 (2009) :