

**ARHGAP24 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13826b****Specification**

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**ARHGAP24 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8N264</a>
Other Accession	<a href="#">NP_001020787.2</a> , <a href="#">NP_112595.2</a> , <a href="#">NP_001036134.1</a>
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

E~~Use at an assay dependent concentration.

**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 protrusions

**Tissue Location**

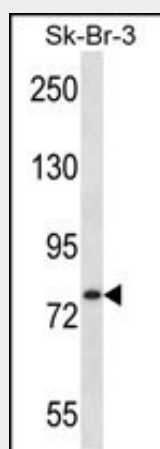
Isoform 1 is widely expressed with a higher level in kidney. Isoform 2 is mainly expressed in endothelial cells

**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 Cytometry](#)
- [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)  
Pfeufer, A., et al. *Nat. Genet.* 42(2):153-159(2010)  
Nakamura, F., et al. *PLoS ONE* 4 (3), E4928 (2009) :