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ARHGAP24 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58313

Product Information

Application	WB, E
Primary Accession	Q8N264
Reactivity	Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84258

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
Dilution	WB=1:500-2000,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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