Anti-RHG24 antibody

Description	Unconjugated Rabbit polyclonal to RHG24

Model	STJ191318
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human RHG24 protein.
Immunogen Region	550-630aa
Gene ID	83478
Gene Symbol	ARHGAP24
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	RHG24 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Isoform 1 is widely expressed with a higher level in kidney. Isoform 2 is mainly expressed in endothelial cells.
Purification	RHG24 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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-S

Molecular Weight	82 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:25361OMIM:610586
Alternative 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-S
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.
Sequence and Domain Family	The coiled coil domain mediates the interaction with FLNA leading to its recruitment to lamellae.
Cellular Localization	Cytoplasm, cytoskeleton. Cell junction, adherens junction. Cell junction, focal adhesion. Cell projection. Localizes to actin stress fibers. In migrating cells, localizes to membrane lamellae and protusions.
Post-translational Modifications	Phosphorylated by ROCK, leading to activate the RacGAP activity.