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Anti-RhoF Antibody

Catalog # AP53770

Product Information

Application	WB, IF/IC
Primary Accession	Q9HBH0
Reactivity	Human, Mouse, Rat, Pig, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23625

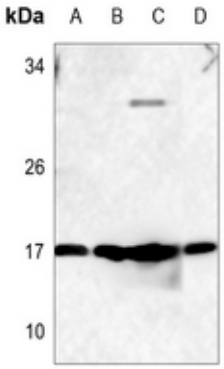
Additional Information

Gene ID	54509
Other Names	ARHF; RIF; Rho-related GTP-binding protein RhoF; Rho family GTPase Rif; Rho in filopodia
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RhoF. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

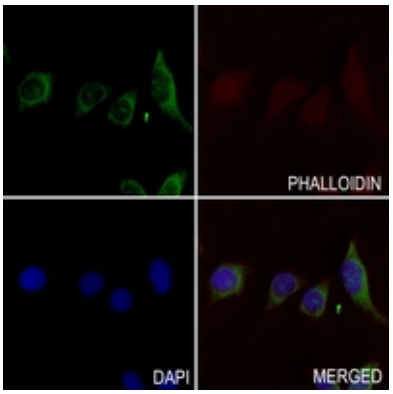
Protein Information

Name	RHOF
Synonyms	ARHF, RIF
Function	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. Causes the formation of thin, actin-rich surface projections called filopodia. Functions cooperatively with CDC42 and Rac to generate additional structures, increasing the diversity of actin-based morphology.
Cellular Location	Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm, cytoskeleton

Images



Western blot analysis of RhoF expression in HEK293T (A), SGC7901 (B), SHSY5Y (C), rat liver (D) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 17 kD)



Immunofluorescent analysis of RhoF staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.