

For Research Use Only

ARHGEF16 Monoclonal antibody

Catalog Number: 67975-1-Ig



Basic Information

Catalog Number: 67975-1-Ig	GenBank Accession Number: BC002681	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 27237	CloneNo.: 1D8E3
Source: Mouse	Full Name: Rho guanine exchange factor (GEF) 16	Recommended Dilutions: WB 1:5000-1:50000 IF 1:400-1:1600
Isotype: IgG2b	Calculated MW: 80 kDa	
Immunogen Catalog Number: AG28675	Observed MW: 80 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : A549 cells, MCF-7 cells, HepG2 cells, HeLa cells, HEK-293 cells
Species Specificity: Human	IF : MCF-7 cells,

Background Information

Small GTPases of the Rho family are critical regulators of various cellular functions including actin cytoskeleton organization, activation of kinase cascades, mitogenesis, transcriptional activation and stimulation of DNA synthesis. Rho proteins cycle between a biologically active GTP-bound state and an inactive GDP-bound state. Rho guanine nucleotide exchange factor (GEF) has a crucial role in activating small GTPase by exchange GDP for GTP. ARGEF16 is one of the multiple GEF members. Although the specific function of this protein is not known yet, it is thought to be involved in protein-protein and protein-lipid interactions.

Storage

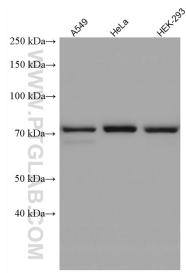
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

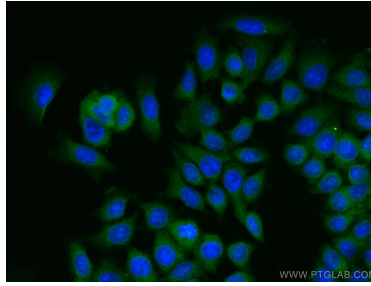
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67975-1-Ig (ARHGEF16 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using ARHGEF16 antibody (67975-1-Ig, Clone: 1D8E3) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).