

For Research Use Only

ARHGEF19 Recombinant antibody

Catalog Number: 82966-2-RR



Basic Information

Catalog Number: 82966-2-RR	GenBank Accession Number: BC040640	Purification Method: Protein A purification
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 128272	CloneNo.: 230290F5
Source: Rabbit	UNIPROT ID: Q8IW93	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: Rho guanine nucleotide exchange factor (GEF) 19	
Immunogen Catalog Number: AG11645	Calculated MW: 802 aa, 89 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra), ELISA	Positive Controls: IF/ICC : U2OS cells,
Species Specificity: human	

Background Information

Rho guanine nucleotide exchange factors (RHOGEFs) are proteins that could regulate Rho GTPases, which can be involved in a variety of physiological processes, such as survival, development, differentiation, and motility. ARHGEF19 also known as WGEF, is a member of the RhoGEF family. ARHGEF19 contains two identical functional domains, including the Dbl homology (DH) and pleckstrin homology (PH) domain(PMID:32993957). ARHGEF19 was highly expressed in human breast cancer(PMID: 34813497).

Storage

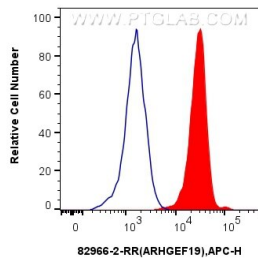
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

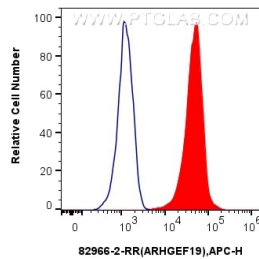
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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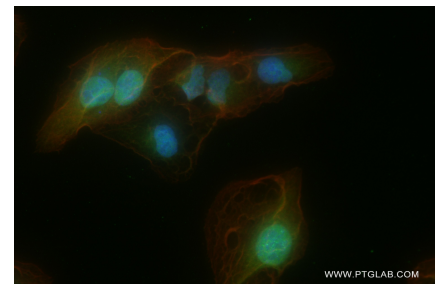
Selected Validation Data



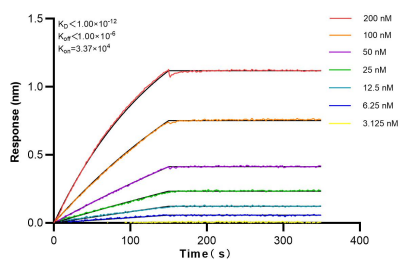
1x10⁶ U2OS cells were intracellularly stained with 0.25 ug Anti-Human ARHGEF19 (82966-2-RR, Clone:230290F5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Anti-Human ARHGEF19 (82966-2-RR, Clone:230290F5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Control Antibody(blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ARHGEF19 antibody (82966-2-RR, Clone: 230290F5) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 82966-2-RR against Human ARHGEF19 were performed. The affinity constant is below 1 pM.