

For Research Use Only

ARHGEF19 Recombinant antibody, PBS Only



Catalog Number: 82966-2-PBS

Basic Information

Catalog Number: 82966-2-PBS	GenBank Accession Number: BC040640	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 128272	CloneNo.: 230290F5
Source: Rabbit	UNIPROT ID: Q8IW93	
Isotype: IgG	Full Name: Rho guanine nucleotide exchange factor (GEF) 19	
Immunogen Catalog Number: AG11645	Calculated MW: 802 aa, 89 kDa	

Applications

Tested Applications:
Indirect ELISA, IF/ICC

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

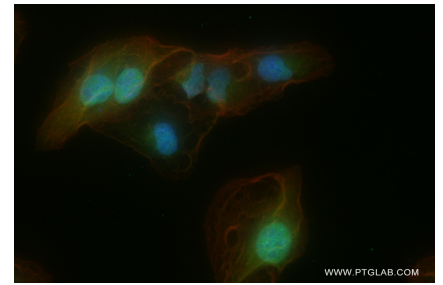
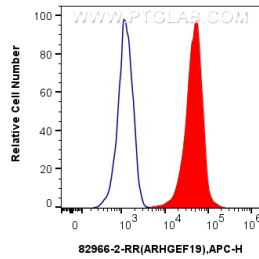
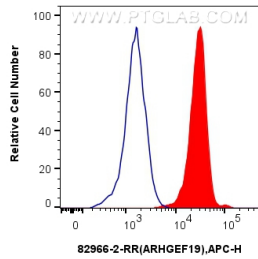
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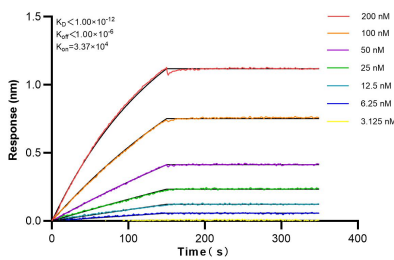
Selected Validation Data



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug Anti-Human ARHGEF 19 (82966-2-RR, Clone:230290F5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 82966-2-PBS in a different storage buffer formulation.

1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Anti-Human ARHGEF 19 (82966-2-RR, Clone:230290F5) and APC-Conjugated AffiniPure 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. This data was developed using the same antibody clone with 82966-2-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ARHGEF 19 antibody (82966-2-RR, Clone: 230290F5) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 82966-2-PBS in a different storage buffer formulation.



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