

ARHGEF19 Recombinant antibody

Catalog Number: 82966-2-RR

Basic Information

Catalog Number:

82966-2-RR

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11645

GenBank Accession Number:

BC040640

GeneID (NCBI):

128272

UNIPROT ID:

Q8IW93

Full Name:

Rho guanine nucleotide exchange factor (GEF) 19

Calculated MW:

802 aa, 89 kDa

Purification Method:

Protein A purification

CloneNo.:

230290F5

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : U2OS cells,

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:

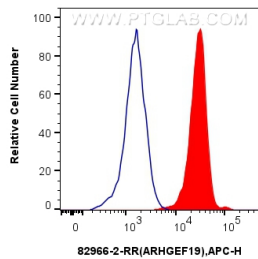
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

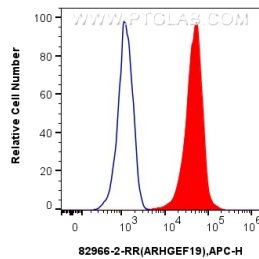
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

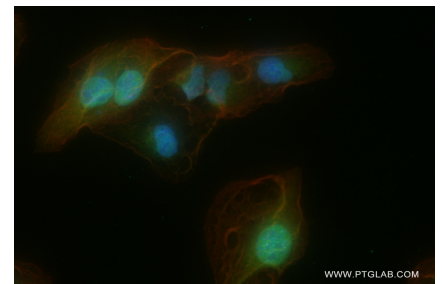
Selected Validation Data



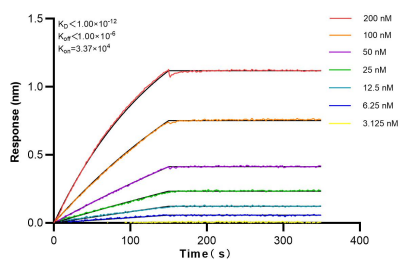
1x10⁶ U2OS cells were intracellularly stained with 0.25 ug Anti-Human ARHGEF19 (82966-2-RR, Clone:230290F5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription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



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Anti-Human ARHGEF19 (82966-2-RR, Clone:230290F5) and APC-Conjugated 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.



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 AffiniPure 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.