

For Research Use Only

ACAP1 Recombinant antibody

Catalog Number: 82967-4-RR

Featured Product



Basic Information

Catalog Number:

82967-4-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34309

GenBank Accession Number:

BC018543

GeneID (NCBI):

9744

UNIPROT ID:

Q15027

Full Name:

ArfGAP with coiled-coil, ankyrin repeat and PH domains 1

Calculated MW:

740 aa, 82 kDa

Observed MW:

82-85 kDa

Purification Method:

Protein A purification

CloneNo.:

230370D5

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells,

IF/ICC : Jurkat cells,

Background Information

ACAP1, also named as Centaurin-beta-1, is a 740 amino acid protein, which is expressed Highly in lung and spleen. ACAP1 as a GTPase-activating protein (GAP) for ADP ribosylation factor 6 (ARF6) is required for clathrin-dependent export of proteins from recycling endosomes to trans-Golgi network and cell surface and required for regulated export of ITGB1 from recycling endosomes to the cell surface and ITGB1-dependent cell migration.

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

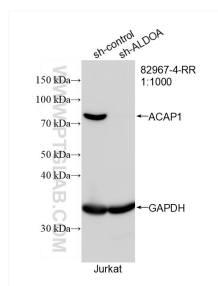
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

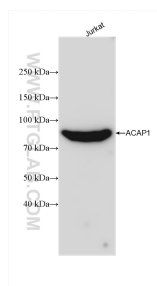
E: proteintech@ptglab.com
W: ptglab.com

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

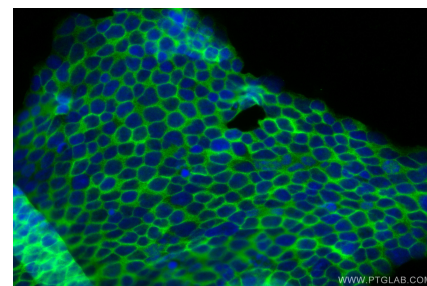
Selected Validation Data



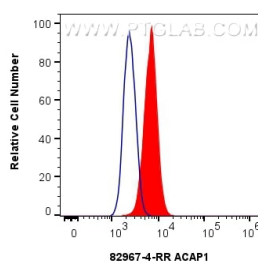
WB result of ACAP1 antibody (82967-4-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACAP1 transfected Jurkat cells.



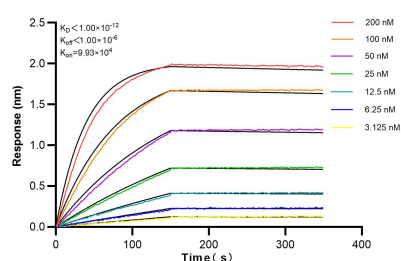
Various lysates were subjected to SDS PAGE followed by western blot with 82967-4-RR (ACAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ACAP1 antibody (82967-4-RR, Clone: 230370D5) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ A431 cells were intracellularly stained with 0.4 ug ACAP1 Recombinant antibody (82967-4-RR, Clone:230370D5) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 82967-4-RR against Human ACAP1 were performed. The affinity constant is below 1 pM.