

For Research Use Only

ACAP1 Recombinant antibody, PBS Only

Catalog Number: 82967-4-PBS

Featured Product



Basic Information

Catalog Number: 82967-4-PBS	GenBank Accession Number: BC018543	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9744	CloneNo.: 230370D5
Source: Rabbit	UNIPROT ID: Q15027	
Isotype: IgG	Full Name: ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	
Immunogen Catalog Number: AG34309	Calculated MW: 740 aa, 82 kDa	
	Observed MW: 82-85 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS Only

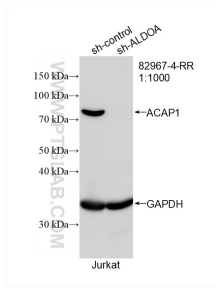
For technical support and original validation data for this product please contact:

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

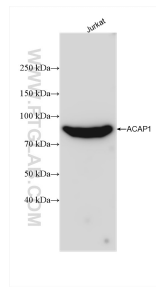
E: proteintech@ptglab.com
W: ptglab.com

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

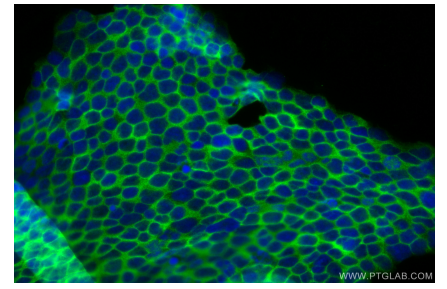
Selected Validation Data



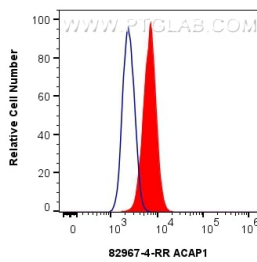
WB result of ACAP1 antibody (82967-4-RR; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACAP1 transfected Jurkat cells. This data was developed using the same antibody clone with 82967-4-PBS in a different storage buffer formulation.



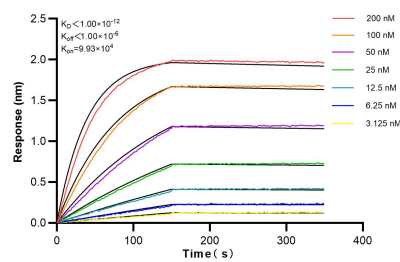
Various lysates were subjected to SDS PAGE followed by western blot with 82967-4-RR (ACAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82967-4-PBS in a different storage buffer formulation.



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 AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82967-4-PBS in a different storage buffer formulation.



1×10^6 A431 cells were intracellularly stained with 0.4 ug ACAP1 Recombinant antibody (82967-4-RR, Clone:230370D5) and CoraLite@488-Conjugated AffiniPure 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). This data was developed using the same antibody clone with 82967-4-PBS in a different storage buffer formulation.



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