

For Research Use Only

ACAP1 Polyclonal antibody

Catalog Number:20135-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 20135-1-AP	GenBank Accession Number: BC018543	Purification Method: Antigen affinity purification
Source: Rabbit	GeneID (NCBI): 9744	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	UNIPROT ID: Q15027	IHC: 1:200-1:800 IF/ICC: 1:200-1:800
Immunogen Catalog Number: AG14068	Full Name: ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	
	Calculated MW: 740 aa, 82 kDa	
	Observed MW: 85 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HL-60 cells, Jurkat cells
Cited Applications: WB, IF	IHC : human lung squamous cell cancer,
Species Specificity: human, mouse, rat	IF/ICC : Jurkat cells,
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Li	26360030	Methods Cell Biol	WB,IF
Ning Wang	36051873	Comput Struct Biotechnol J	WB
Pan Hong	38801885	Cancer Lett	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

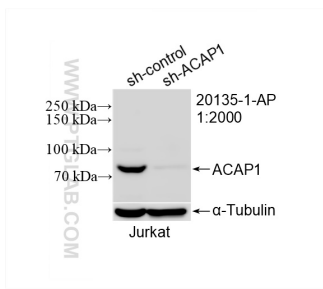
T: 4006900926

E: Proteintech-CN@ptglab.com

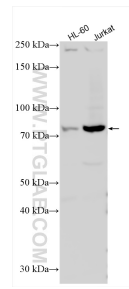
W: ptgcn.com

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

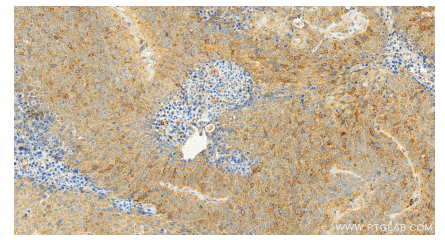
Selected Validation Data



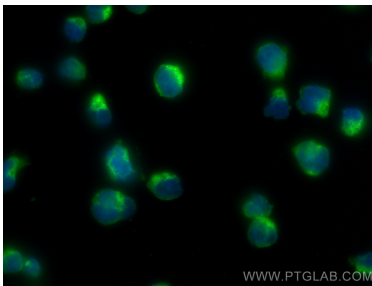
WB result of ACAP1 antibody (20135-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACAP1 transfected Jurkat cells.



Various lysates were subjected to SDS PAGE followed by western blot with 20135-1-AP (ACAP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung squamous cell cancer slide using 20135-1-AP (ACAP1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using ACAP1 antibody (20135-1-AP) at dilution of 1:400 and Coralite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).