For Research Use Only

ACAP1 Polyclonal antibody

Catalog Number:20135-1-AP 2 Publications

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Basic Information

Catalog Number:
20135-1-AP

Size:
300 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG14068

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:
85 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IHC 1:20-1:200

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

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

Positive Controls:

WB : Jurkat cells,

IHC : human lung tissue,

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

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

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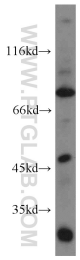
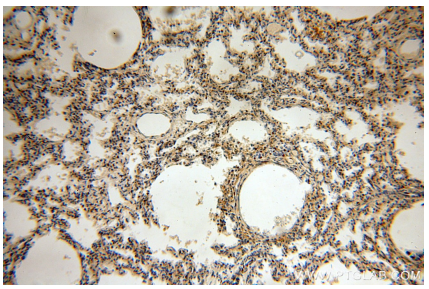
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 20135-1-AP (ACAP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung using 20135-1-AP (ACAP1 antibody) at dilution of 1:100 (under 10x lens).