

ACAP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP11134a

Product Information

Application WB, IHC-P, E **Primary Accession** Q15027

Other Accession Q8K2H4, NP_055531.1
Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Clone Names RB24261
Calculated MW 81536
Antigen Region 96-125

Additional Information

Gene ID 9744

Other Names Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1,

Centaurin-beta-1, Cnt-b1, ACAP1, CENTB1, KIAA0050

Target/Specificity This ACAP1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 96-125 amino acids from the

N-terminal region of human ACAP1.

Dilution WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions ACAP1 Antibody (N-term) is for research use only and not for use in diagnostic

or therapeutic procedures.

Protein Information

Name ACAP1

Synonyms CENTB1, KIAA0050

Function GTPase-activating protein (GAP) for ADP ribosylation factor 6 (ARF6)

required for clathrin-dependent export of proteins from recycling endosomes to trans-Golgi network and cell surface. Required for regulated export of ITGB1 from recycling endosomes to the cell surface and ITGB1-dependent cell

migration.

Cellular Location Recycling endosome membrane; Peripheral membrane protein; Cytoplasmic

Tissue Location Highest level in lung and spleen. Low level in heart, kidney, liver and

pancreas.

Background

Catalyzes the transfer of Gal to GlcNAc-based acceptors with a preference for the core3 O-linked glycan GlcNAc(beta1,3)GalNAc structure. Can use glycolipid LC3Cer as an efficient acceptor.

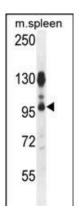
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Cuthbert, E.J., et al. Am. J. Physiol., Cell Physiol. 294 (1), C263-C270 (2008): Li, J., et al. J. Cell Biol. 178(3):453-464(2007) Wu, C., et al. Proteomics 7(11):1775-1785(2007) Shinozaki-Narikawa, N., et al. Traffic 7(11):1539-1550(2006)

Images

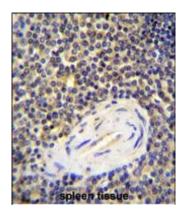
ZR- 250	-75-1
130	
95	•4
72	-
55	

ACAP1 Antibody (N-term) (Cat. #AP11134a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the ACAP1 antibody detected the ACAP1 protein (arrow).



ACAP1 Antibody (N-term) (Cat. #AP11134a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the ACAP1 antibody detected the ACAP1 protein (arrow).

ACAP1 Antibody (N-term) (Cat. #AP11134a)immunohistochemistry analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the



use of ACAP1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.