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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
Predicted	Rat, Bovine, Canine, Rabbit
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 side
Tissue Location	Highest level in lung and spleen. Low level in heart, kidney, liver and pancreas.

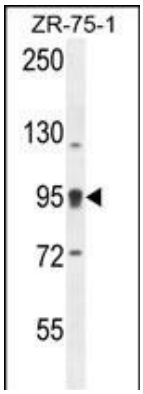
Background

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.

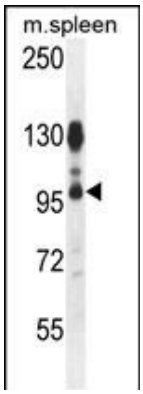
References

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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

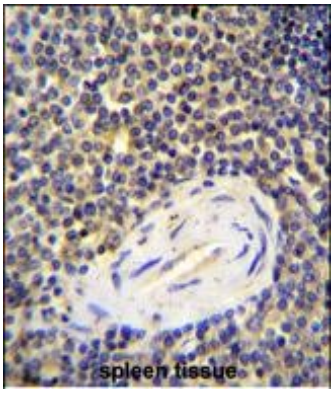


ACAP1 Antibody (N-term) (Cat. #AP11134a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the ACAP1 antibody detected the ACAP1 protein (arrow).



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'.