

Anti-ACAP1 antibody

Cat. No.	ml224509
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-ACAP1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human ACAP1
Reactivity	Human, Mouse
Content	0.7 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	ACAP1
Full name	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1

Synonyms CENTB1

Swissprot Q15027

Target Background

ACAP1, also designated Centaurin- β 1 (CENTB1 or Cnt- β 1), is a member of the ADP ribosylation factor family of ARF6 GTPase-activating proteins (GAP). GAPs are important regulators of Arf function by controlling the return of ARF to its inactive state. ACAP1 is related to AGAP1 and ASAP1, and all three proteins are similarly expressed in fibroblast cells such as NIH/3T3. Internalization and recycling of integrin receptors is important in cell adhesion and migration modulation, and once inside a cell, proteins and membranes are transported to the endosome where they are sorted for recycling or degradation. ACAP1 promotes cargo sorting by associating directly to recycling cargo proteins. Preventing this interaction inhibits protein recycling. ACAP1 binds transferrin receptors, promoting their transport to the plasma membrane from the endosome. Akt induced phosphorylation of ACAP1 at Ser 554 regulates ACAP1 interaction to integrin in endosomes, and downregulation of Akt or ACAP1 may inhibit cell migration on Fibronectin.

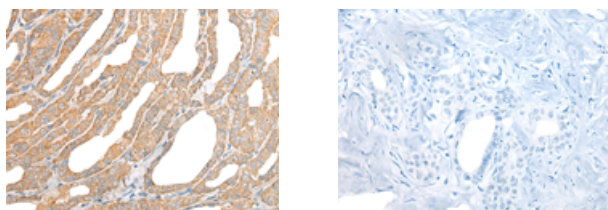
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml224509(ACAP1 Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size: 82 kDa

Positive control: Mouse lung tissue lysate

Recommended dilution: 200-1000

Gel: 6%SDS-PAGE

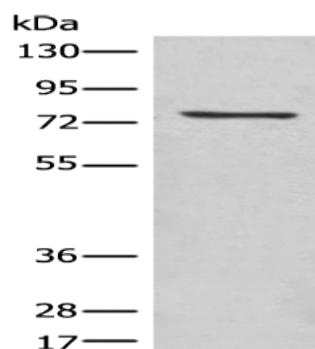
Lysate: 40 μ g

Lane: Mouse lung tissue lysate

Primary antibody: ml224509(ACAP1 Antibody) at dilution 1/450

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 5000-10000

联系电话: 4008-898-798, 021-61725725

联系QQ: 2881505695, 2881505696

邮箱: mlbio_cn@yeah.net

网址: www.mlbio.cn