



Centaurin-β 1 mouse mAb

Catalog No	YP-mAb-16265
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ACAP1 CENTB1 KIAA0050
Immunogen	Synthesized peptide derived from human Centaurin-β1 AA range: 490-570
Specificity	This antibody detects endogenous levels of Human Centaurin-β1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ACAP 1;ACAP1;ACAP1_HUMAN;Arf GAP with coiled coil ANK repeat and PH domains 1;Arf GAP with coiled coil;ankyrin repeat;and pleckstrin homology domains 1;Arf-GAP with coiled-coil;ANK repeat and PH domain-containing protein 1;ArfGAP with coiled-coil;ankyrin repeat and PH domains 1;CENT B1; Centaurin beta 1;Centaurin-beta-1;CENTB 1;Cnt b1;Cnt-b1;Cntb1;KIAA5; Centaurin-β1;ACAP1 CENTB1 KIAA0050;ANK repeat and PH domain-containing protein 1 (Centaurin-beta-1;Cnt-b1); ANK repeat and PH domain-containing protein 1 (Centaurin-beta-1
Observed Band	
Calculated Molecular Weight	81KD; 82kD(Calculated).
Cell Pathway	Recycling endosome membrane ; Peripheral membrane protein ; Cytoplasmic side .
Tissue Specificity	Highest level in lung and spleen. Low level in heart, kidney, liver and pancreas.
Function	domain:PH domain binds phospholipids including phosphatidic acid, phosphatidylinositol 3-phosphate, phosphatidylinositol 3,5-bisphosphate (PIP2) and phosphatidylinositol 3,4,5-trisphosphate (PIP3). May mediate ACAP1-binding to PIP2 or PIP3 containing membranes.,enzyme regulation:GAP activity stimulated by phosphatidylinositol 4,5-bisphosphate (PIP2) and phosphatidic



acid.,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.,miscellaneous:Cells overexpressing ACAP1 show an accumulation of ITGB1 in recycling endosomes and inhibition of stimulation-dependent cell migration. Cells with reduced levels of ACAP1 or AKT1 and AKT2 show inhibition of stimulation-dependent cell migration. Cells overexpressing ACAP1 and PIP5K1C show formation of tubular struct

Background

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matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images