



# Centaurin- $\beta$ 1 rabbit pAb

<b>Catalog No</b>	BYab-16265
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB; ELISA
<b>Gene Name</b>	ACAP1 CENTB1 KIAA0050
<b>Protein Name</b>	Centaurin- $\beta$ 1
<b>Immunogen</b>	Synthesized peptide derived from human Centaurin- $\beta$ 1 AA range: 490-570
<b>Specificity</b>	This antibody detects endogenous levels of Human Centaurin- $\beta$ 1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:1000-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq$ 90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1 (Centaurin-beta-1;Cnt-b1)
<b>Observed Band</b>	
<b>Cell Pathway</b>	Recycling endosome membrane ; Peripheral membrane protein ; Cytoplasmic side .
<b>Tissue Specificity</b>	Highest level in lung and spleen. Low level in heart, kidney, liver and pancreas.
<b>Function</b>	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

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### 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

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