

Centaurin-beta 1 Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP07513
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human Centaurin-β1
Mol wt	81400
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Centaurin-beta 1
Synonyms	Centaurin-β1; Arf-GAP with coiled-coil; ANK repeat and PH domain-containing protein 1; Centaurin-beta-1; Cnt-b1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.|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 structures derived from endosomal membranes.|PTM:Phosphorylation at Ser-554 by PKB is required for interaction with ITGB1| export of ITGB1 from recycling endosomes to the cell surface and ITGB1-dependent cell migration.|Contains 1 Arf-GAP domain.|Contains 1 BAR domain.|Contains 1 PH domain.|Contains 3 ANK repeats.|subunit:Interacts with GTP-bound ARF6. Interacts with third cytoplasmic loop of SLC2A4/GLUT4. Interacts with CLTC. Interacts with GULP1. Forms a complex with GDP-bound ARF6 and GULP1.|tissue specificity:Highest level in lung and spleen. Low level in heart| kidney| liver and pancreas.|

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year