

ACAP1 (phospho Ser554) Rabbit Polyclonal Antibody

Catalog# UZ-PA00220

Product information

产品货号	UZ-PA00220
别名	ACAP1; CENTB1; KIAA0050; Arf-GAP with coiled-coil; ANK repeat and PH domain-containing protein 1; Centaurin-beta-1; Cnt-b1
产品名称	ACAP1 (phospho Ser554) Rabbit Polyclonal Antibody
类别	抗体产品
基因名称	ACAP1
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,ELISA
反应种属	Human,Rat,Mouse
存储缓冲液	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N .
Human Gene ID	9744
Human Swissprot No.	Q15027
免疫原	The antiserum was produced against synthesized peptide derived from human Centaurin-beta1 around the phosphorylation site of Ser554. AA range:520-569
稀释度	WB 1:500-2000, WB 1:500-2000, IHC-P 1:100-1:300, ELISA 1:10000-40000, IF-P/IF-F/IF-ICC 1:50-200
参考分子量	82kDa
运输及保存条件	-20°C/1 year
宿主	Rabbit
同种型	Rabbit,IgG
背景介绍	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 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.,similarity: Contains 1 Arf-GAP domain.,similarity:Contains 1 BAR domain.,similarity:Contains 1 PH domain.,similarity: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.,
细胞定位	Recycling endosome membrane ; Peripheral membrane protein ; Cytoplasmic side .
纯化	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal