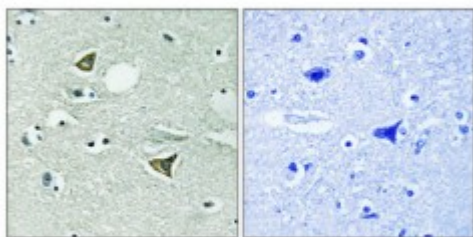


Anti-Girdin antibody



Description	Rabbit polyclonal to Girdin.
Model	STJ93272
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human Girdin around the non-phosphorylation site of S1417.
Immunogen Region	1360-1440 aa
Gene ID	55704
Gene Symbol	CCDC88A
Dilution range	IHC 1:100-1:300ELISA 1:5000
Specificity	Girdin Polyclonal Antibody detects endogenous levels of Girdin protein.
Tissue Specificity	Expressed ubiquitously.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Girdin Akt phosphorylation enhancer APE Coiled-coil domain-containing protein 88A G alpha-interacting vesicle-associated protein GIV Girders of actin filament Hook-related protein 1 HkRP1
Molecular Weight	216.042 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:255230 MIM:609736
Alternative Names	Girdin Akt phosphorylation enhancer APE Coiled-coil domain-containing protein 88A G alpha-interacting vesicle-associated protein GIV Girders of actin filament Hook-related protein 1 HkRP1
Function	Plays a role as a key modulator of the AKT-mTOR signaling pathway controlling the tempo of the process of newborn neurons integration during adult neurogenesis, including correct neuron positioning, dendritic development and synapse formation . Enhances phosphoinositide 3-kinase (PI3K)-dependent phosphorylation and kinase activity of AKT1/PKB, but does not possess kinase activity itself . Phosphorylation of AKT1/PKB thereby induces the phosphorylation of downstream effectors GSK3 and FOXO1/FKHR, and regulates DNA replication and cell proliferation . Essential for the integrity of the actin cytoskeleton and for cell migration . Required for formation of actin stress fibers and lamellipodia . May be involved in membrane sorting in the early endosome . Plays a role in ciliogenesis and cilium morphology and positioning and this may partly be through regulation of the localization of scaffolding protein CROCC/Rootletin .
Cellular Localization	Membrane Cell membrane Cytoplasm, cytosol Cytoplasmic vesicle Cell projection, lamellipodium Cytoplasm, cytoskeleton, cilium basal body Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Localizes to the cell membrane through interaction with phosphoinositides.
Post-translational Modifications	Phosphorylation is induced by epidermal growth factor (EGF) in a phosphoinositide 3-kinase (PI3K)-dependent manner. Phosphorylation by AKT1/PKB is necessary for the delocalization from the cell membrane and for cell migration.