



# Girdin Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-01750
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	CCDC88A
<b>Protein Name</b>	Girdin
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Girdin. AA range:1383-1432
<b>Specificity</b>	Girdin Polyclonal Antibody detects endogenous levels of Girdin protein.
<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 antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ,IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CCDC88A; APE; GRDN; KIAA1212; 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
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cell membrane ; Peripheral membrane protein . Cytoplasm, cytosol . Cytoplasmic vesicle . Cell projection, lamellipodium . Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Localizes to the cytosol in unstimulated cells while EGF stimulation promotes membrane localization and guanine nucleotide exchange factor activity (PubMed:27864364). Localizes to the cell membrane through interaction with phosphoinositides (PubMed:16139227, PubMed:15882442). .
<b>Tissue Specificity</b>	Expressed ubiquitously.
<b>Function</b>	function: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 (By similarity). 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.,PTM: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.,sequence caution:Intron retention at the C-terminus.,similarity:Belongs to the CCDC88 family.,subcellular location:Localizes to the ce

#### Background

This gene encodes a member of the Girdin family of coiled-coil domain containing proteins. The encoded protein is an actin-binding protein that is activated by the serine/threonine kinase Akt and plays a role in cytoskeleton remodeling and cell migration. The encoded protein also enhances Akt signaling by mediating phosphoinositide 3-kinase (PI3K)-dependent activation of Akt by growth factor receptor tyrosine kinases and G protein-coupled receptors. Increased expression of this gene and phosphorylation of the encoded protein may play a role in cancer metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011],

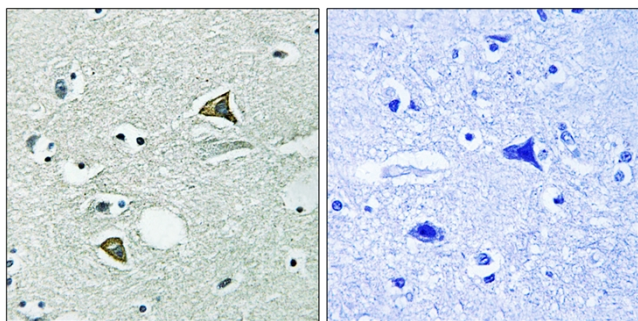
#### matters needing attention

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



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Girdin Antibody. The picture on the right is blocked with the synthesized peptide.