Girdin Rabbit pAb

CatalogNo: YT1907

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- IHC,IF,ELISA

MW
- 216kD (Calculated)

Isotype
- IgG

Recommended Dilution Ratios

IHC 1:100-1:300
ELISA 1:5000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Girdin. AA range:1383-1432
Specificity	Girdin Polyclonal Antibody detects endogenous levels of Girdin protein.

Target Information

Gene name CCDC88A

Protein Name Girdin

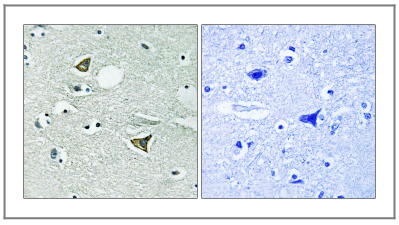
Organism	Gene ID	UniProt ID
Human	55704;	Q3V6T2;
Mouse	108686;	Q5SNZ0;

Cellular Localization 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). .

Tissue specificity Expressed ubiquitously.

Function 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 cell membrane through interaction with phosphoinositides.,subunit:Homodimer. The non-phosphorylated form interacts with phosphatidylinositol 4-phosphate [PI(4)P] and weakly with phosphatidylinositol 3-phosphate [PI(3)P]. Interacts with microtubules. Interacts with actin through its C-terminal domain. Interacts with the C-terminus of AKT1/PKB.,tissue specificity:Expressed ubiquitously.,

Validation Data



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

Contact information

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Please scan the QR code to access additional product information:
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