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Datasheet for ABIN1397449

anti-Girdin antibody (pSer1417) (AbBy Fluor® 555)

Overview

Quantity:	100 µL
Target:	Girdin (CCDC88A)
Binding Specificity:	pSer1417
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Girdin antibody is conjugated to AbBy Fluor® 555
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Girdin around the phosphorylation site of Ser1417
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	Girdin (CCDC88A)
Alternative Name:	Girdin (CCDC88A Products)

Target Details

Background: Synonyms: APE, GIV, GRDN, HkRP1, GIRDIN, KIAA1212, Akt phosphorylation enhancer, Coiled-coil domain-containing protein 88A, G alpha-interacting vesicle-associated protein, Girders of actin filament, Hook-related protein 1, CCDC88A

Background: 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 (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.

Gene ID: 55704

UniProt: [Q3V6T2](#)

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months