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Datasheet for 600-401-BK9

Girdin Antibody

Overview

Description:	Anti-Girdin (RABBIT) Antibody - 600-401-BK9
Item No.:	600-401-BK9
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Girdin is a Galpha-interacting protein that can enhance the activation of the protein kinase Akt, remodel the actin cytoskeleton, and is thought to be involved in the regulation of cell migration and cancer metastasis. It has recently been shown that Girdin interacts with Disrupted-in-Schizophrenia 1 (DISC1), a susceptibility gene for major psychiatric disorders. DISC1 is thought to be involved in the migration, positioning and differentiation of dentate granule cells (DGCs) during development; depletion of Girdin or blocking the Girdin-DISC1 interaction results in defects in axonal sprouting in the CA3 region of the hippocampus and overextended migration of mispositioning of DGCs, suggesting the Girdin plays a role in postnatal neurogenesis in the dentate gyrus.
Synonyms:	Girdin Antibody, APE, GIV, GRDN, HkRP1, GIRDIN, KIAA1212, APE, Girdin, Akt phosphorylation enhancer
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCDC88A
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Girdin antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide from near the C-terminus human Girdin.
Purity/Specificity:	Anti-Girdin Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Girdin from other sources has not been determined.
Relevant Links:	• UniProtKB - Q3V6T2 • GeneID - 55704 • NCBI - NP_060554

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-Girdin Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 216 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

Formulation

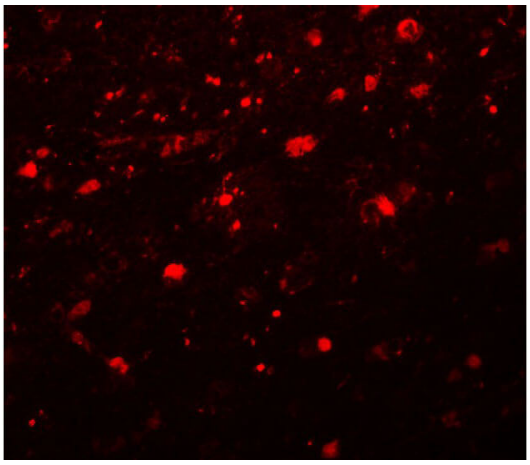
Physical State:	Liquid (sterile filtered)
Concentration:	1mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

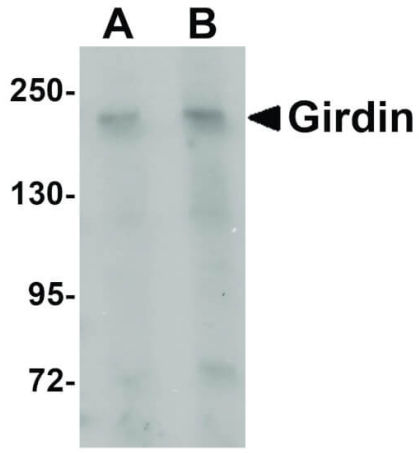
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Girdin antibody. Tissue: Rat lung cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: Girdin antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Girdin is cytoplasmic and a membrane protein. Staining: Girdin as red fluorescent signal.



Western Blot
Western Blot of Girdin antibody. Lane 1: Rat brain tissue lysate with Girdin antibody at 1 µg/mL. Lane 2: Rat brain tissue lysate with Girdin antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 216 kDa, 230 kDa for Girdin. Other band(s): Girdin splice variants and isoforms.

Disclaimer

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