

## Girdin Antibody

Catalog No: #33285

Package Size: #33285-1 50ul #33285-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

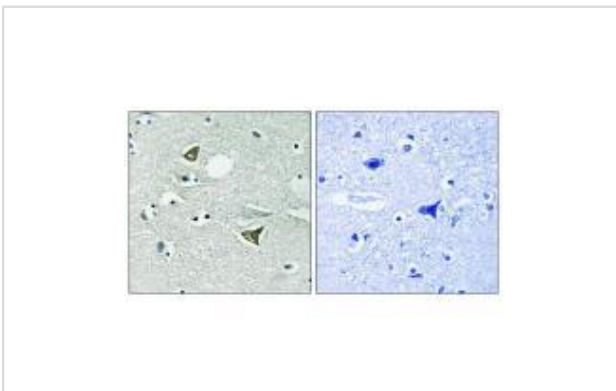
## Description

Product Name	Girdin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total Girdin protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human Girdin.
Target Name	Girdin
Other Names	APE; GIV; GRDN; HkRP1; Hook-related protein 1
Accession No.	Swiss-Prot: Q3V6T2NCBI Gene ID: 55704
SDS-PAGE MW	216kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue using Girdin antibody #33285.

## 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.

Enomoto A., Dev. Cell 9:389-402(2005).

Simpson F., Traffic 6:442-458(2005).

Hillier L.W., Nature 434:724-731(2005).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.