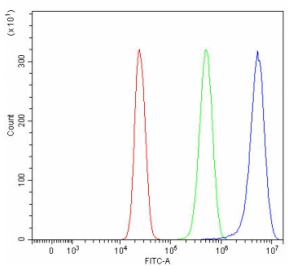
Girdin Antibody / CCDC88A / GIV (RQ7828)

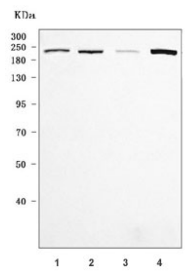
Catalog No.	Formulation	Size
RQ7828	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q3V6T2
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Girdin antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with Girdin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Girdin antibody.



Western blot testing of 1) human HeLa, 2) human SiHa, 3) rat brain and 4) rat RH-35 cell lysate with Girdin antibody. Predicted molecular weight ~216 kDa.

Description

Girdin, also called G alpha-interacting vesicle-associated protein (GIV), is a protein that in humans is encoded by the CCDC88A gene. 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.

Application Notes

Optimal dilution of the Girdin antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids K1231-D1836) was used as the immunogen for the Girdin antibody.

Storage

After reconstitution, the Girdin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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