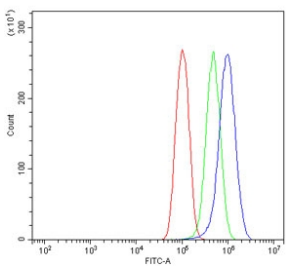
GIT2 Antibody / GRK-interacting protein 2 (RQ6715)

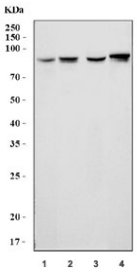
Catalog No.	Formulation	Size
RQ6715	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
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	Q14161
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This GIT2 antibody is available for research use only.



Flow cytometry testing of human PC-3 cells with GIT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GIT2 antibody.



Western blot testing of 1) human HeLa, 2) human Jurkat, 3) human HepG2 and 4) mouse lung tissue lysate with GIT2 antibody. Predicted molecular weight ~85 kDa.

Description

ARF GTPase-activating protein GIT2 is an enzyme that in humans is encoded by the GIT2 gene. This gene encodes a member of the GIT protein family, which interact with G protein-coupled receptor kinases and possess ADP-ribosylation factor (ARF) GTPase-activating protein (GAP) activity. GIT proteins traffic between cytoplasmic complexes, focal adhesions, and the cell periphery, and interact with Pak interacting exchange factor beta (PIX) to form large oligomeric complexes that transiently recruit other proteins. GIT proteins regulate cytoskeletal dynamics and participate in receptor internalization and membrane trafficking. This gene has been shown to repress lamellipodial extension and focal adhesion turnover, and is thought to regulate cell motility. This gene undergoes extensive alternative splicing to generate multiple isoforms, but the full-length nature of some of these variants has not been determined. The various isoforms have functional differences, with respect to ARF GAP activity and to G protein-coupled receptor kinase 2 binding.

Application Notes

Optimal dilution of the GIT2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D400-S556) was used as the immunogen for the GIT2 antibody.

Storage

After reconstitution, the GIT2 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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