Product Datasheet

GIT1 Rabbit mAb

Catalog No: #49775

Package Size: #49775-1 50ul #49775-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

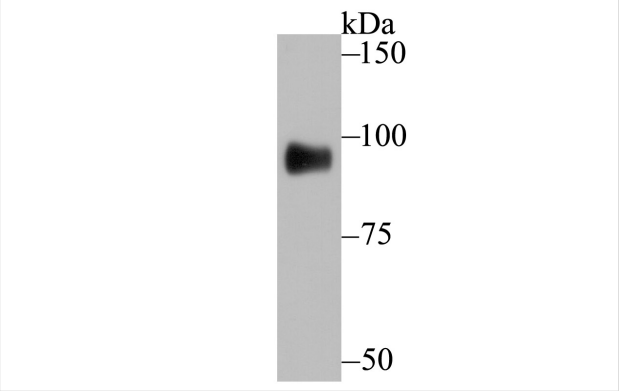
Description

Product Name	GIT1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU33-39
Purification	ProA affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	ARF GAP GIT1 antibody ARF GTPase activating protein GIT1 antibody ARF GTPase-activating protein GIT1 antibody CAT 1 antibody CAT-1 antibody CaT1 antibody Cool associated and tyrosine phosphorylated protein 1 antibody Cool-associated and tyrosine-phosphorylated protein 1 antibody G protein coupled receptor kinase interacting ArfGAP 1 antibody G protein coupled receptor kinase interactor 1 antibody G protein-coupled receptor kinase-interactor 1 antibody GIT1 antibody GIT1_HUMAN antibody GRK interacting protein 1 antibody GRK-interacting protein 1 antibody
Accession No.	Swiss-Prot#:Q9Y2X7
Uniprot	Q9Y2X7
GeneID	28964;
Calculated MW	85 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

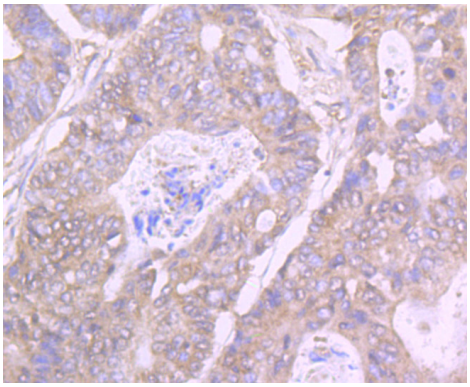
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 FC: 1:50-1:100

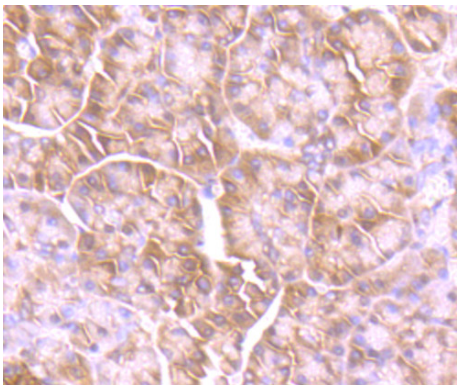
Images



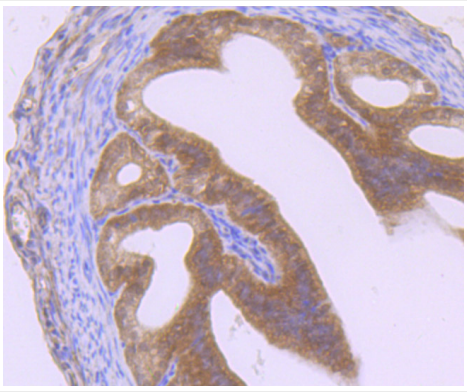
Western blot analysis of GIT1 on A549 cell using anti-GIT1 antibody at 1/500 dilution.



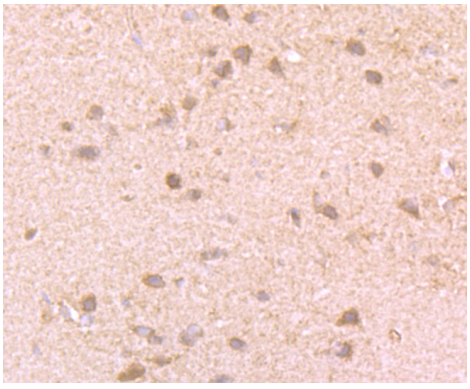
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-GIT1 antibody. Counter stained with hematoxylin.



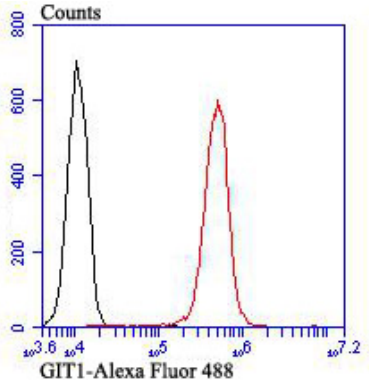
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-GIT1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse fallopian tubes tissue using anti-GIT1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-GIT1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of A549 cells with GIT1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

Heterotrimeric G protein-mediated signal transduction is a dynamically regulated process with the intensity of signal decreasing over time despite the continued presence of the agonist. G protein-coupled receptor kinases (GRKs) are activated by activated G protein-coupled receptors, and they function to phosphorylate and inactivate cell surface receptors in the heterotrimeric G protein signaling cascade. GIT1 (for GRK-interactor 1) and GIT2 are GTPase-activating proteins (GAP) for members of the ADP ribosylation factor (ARF) family of small GTP-binding proteins, which are involved in vesicular trafficking. GIT1 overexpression results in reduced internalization and resensitization of b2-adrenergic receptor, thus reducing b2-adrenergic receptor signaling.

References

Note: This product is for in vitro research use only