ARF1 Rabbit mAb

Catalog No: #49120

Package Size: #49120-1 50ul #49120-2 100ul

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

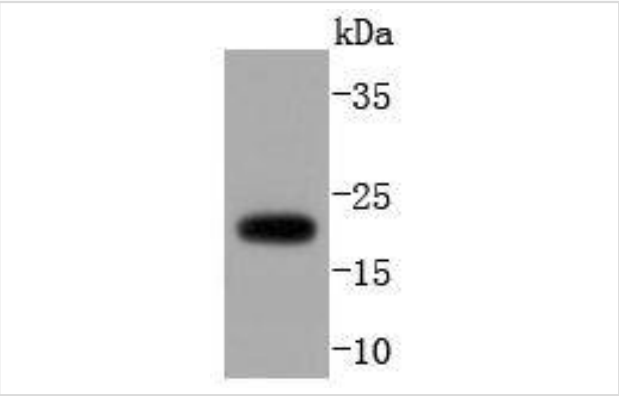
Description

Product Name	ARF1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD2002
Purification	ProA affinity purified
Applications	WB, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ADP Ribosylation Factor 1 antibody ADP-ribosylation factor 1 antibody ARF 1 antibody ARF1 antibody ARF1_HUMAN antibody
Accession No.	Swiss-Prot#:P84077
Uniprot	P84077
GeneID	375;
Calculated MW	21 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

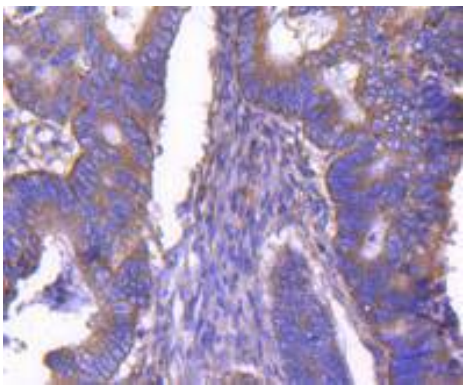
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200FC: 1:50-1:100

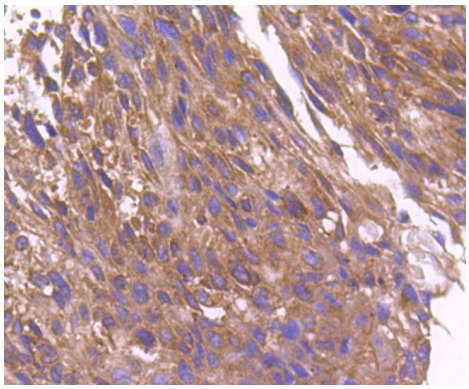
Images



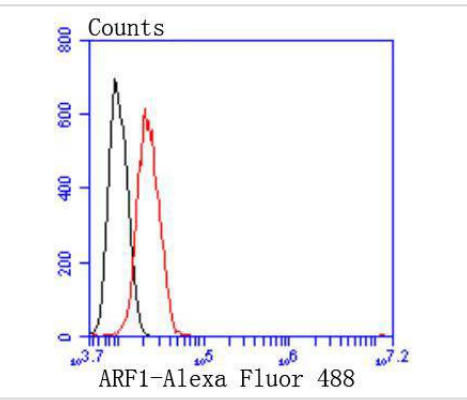
Western blot analysis of ARF1 on NIH/3T3 cells lysates using anti-ARF1 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-ARF1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-ARF1 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Hela cells with ARF1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

ADP-ribosylation factors (ARFs), are small guanine nucleotide-binding proteins that enhance the enzymatic activities of cholera toxin, and constitute one family of the RAS superfamily. ARFs are essential and ubiquitous in eukaryotes, as they are involved in vesicular transport and functioning via phospholipase D activation. ARF proteins play a role in membrane traffic and organelle integrity and are intimately tied to their reversible association with membranes and distinct interactions with membrane phospholipids. ARF1 is regulated by the binding and hydrolysis of GTP. Coatomer, or COPI, is a heptameric protein recruited to membranes by ARF1. Research demonstrates that guanine nucleotide exchange-activated ARF1, when located at the Golgi membrane, recruits and binds cytoplasmic COPI to the membranes.

References

Note: This product is for in vitro research use only