



ARF GAP1 Monoclonal Antibody

Catalog No	YP-mAb-03708
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ARFGAP1
Immunogen	The antiserum was produced against synthesized peptide derived from human ARFGAP1. AA range:171-220
Specificity	ARF GAP1 Monoclonal Antibody detects endogenous levels of ARF GAP1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADP-ribosylation factor 1 GTPase-activating protein;ADP-ribosylation factor GTPase-activating protein 1;ARF GAP 1;ARF1 GAP;ARF1-directed GTPase-activating protein;ARF GAP1;ARFGAP1;ARF1GAP
Observed Band	48kD
Calculated Molecular Weight	48kD
Cell Pathway	Cytoplasm . Golgi apparatus . Associates with the Golgi complex. .
Tissue Specificity	Brain,Epithelium,Fetal brain,Testis,
Function	domain:The region downstream of Arf-GAP domain is essential to GAP activity in vivo. This region may be required for its targeting to Golgi membranes., function:GTPase-activating protein (GAP) for the ADP ribosylation factor 1 (ARF1). Involved in membrane trafficking and /or vesicle transport. Promotes hydrolysis of the ARF1-bound GTP and thus, is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Probably regulates ARF1-mediated transport via its interaction with the KDEL proteins and RNP24. Overexpression induces the redistribution of the entire Golgi complex to the



endoplasmic reticulum, as when ARF1 is deactivated. Its activity is stimulated by phosphoinositides and inhibited by phosphatidylcholine.,sequence caution:Intron retention.,similarity:Contains 1 Arf-GAP domain.,subcellular loca

Background

The protein encoded by this gene is a GTPase-activating protein, which associates with the Golgi apparatus and which interacts with ADP-ribosylation factor 1. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1-bound GTP and is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is required for the fusion of these vesicles with target compartments. The activity of this protein is stimulated by phosphoinositides and inhibited by phosphatidylcholine. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],

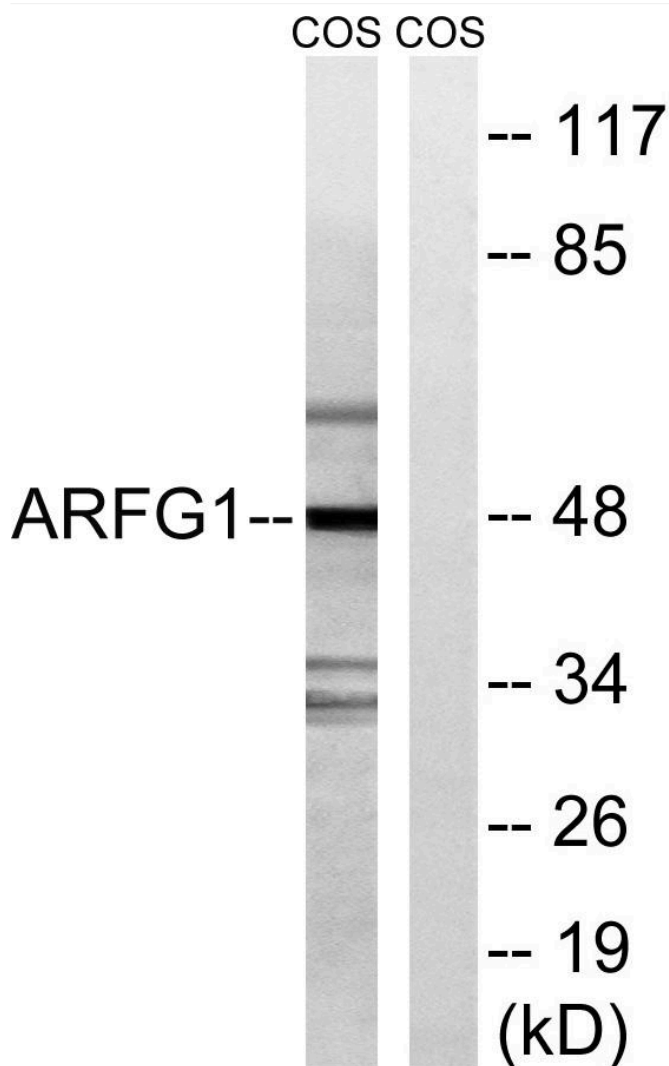
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using ARF GAP1 Monoclonal Antibody