



# ARF GAP1 Polyclonal Antibody

<b>Catalog No</b>	BYab-03708
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat;Monkey;Bovine
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ARFGAP1
<b>Protein Name</b>	ADP-ribosylation factor GTPase-activating protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ARFGAP1. AA range:171-220
<b>Specificity</b>	ARF GAP1 Polyclonal Antibody detects endogenous levels of ARF GAP1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ARFGAP1; ARF1GAP; ADP-ribosylation factor GTPase-activating protein 1; ARF GAP 1; ADP-ribosylation factor 1 GTPase-activating protein; ARF1 GAP; ARF1-directed GTPase-activating protein
<b>Observed Band</b>	48kD
<b>Cell Pathway</b>	Cytoplasm . Golgi apparatus . Associates with the Golgi complex. .
<b>Tissue Specificity</b>	Brain,Epithelium,Fetal brain,Testis,
<b>Function</b>	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 KDELR proteins and RNP24.

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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**

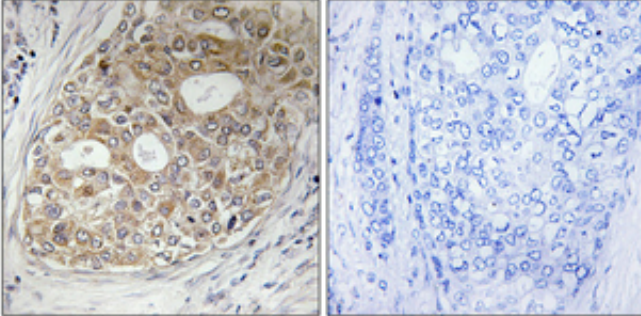
Avoid repeated freezing and thawing!

**Usage suggestions**

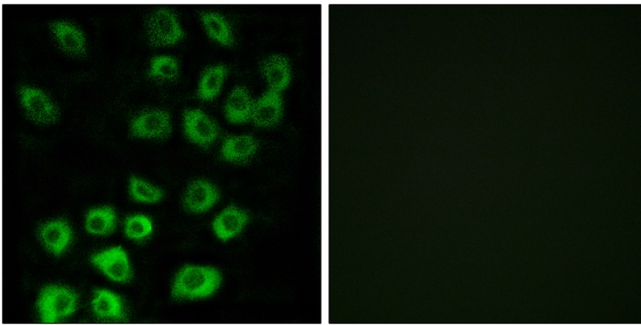
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



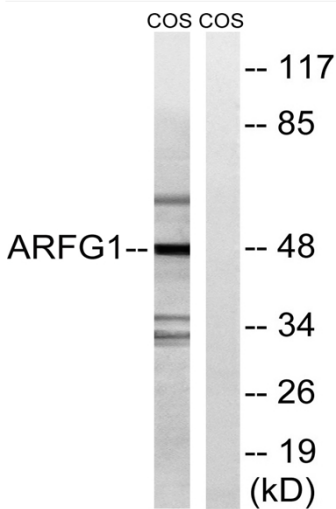
## Products Images



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of MCF7 cells, using ARFGAP1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using ARFGAP1 Antibody. The lane on the right is blocked with the synthesized peptide.