

ARFGAP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14738c**Specification**

ARFGAP1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8N6T3](#)**ARFGAP1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55738**Other Names**

ADP-ribosylation factor GTPase-activating protein 1, ARF GAP 1, ADP-ribosylation factor 1 GTPase-activating protein, ARF1 GAP, ARF1-directed GTPase-activating protein, ARFGAP1, ARF1GAP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ARFGAP1 Antibody (Center) Blocking Peptide - Protein Information**Name** ARFGAP1**Synonyms** ARF1GAP**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 TMED2. 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 (By similarity).

Cellular Location

Cytoplasm. Golgi apparatus. Note=Associates with the Golgi complex.

ARFGAP1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ARFGAP1 Antibody (Center) Blocking Peptide - Images

ARFGAP1 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is a GTPase-activating protein (GAP) which associates with the Golgi apparatus and which interacts with ADP-ribosylation factor 1 (ARF1). The encoded protein promotes hydrolysis of ARF1-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. Two transcript variants encoding different isoforms have been found for this gene.

ARFGAP1 Antibody (Center) Blocking Peptide - References

Saitoh, A., et al. J. Biol. Chem. 284(20):13948-13957(2009) Beck, R., et al. Traffic 10(3):307-315(2009) Weimer, C., et al. J. Cell Biol. 183(4):725-735(2008) Luo, R., et al. J. Biol. Chem. 283(32):21965-21977(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007)