

ARFGAP1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2303b

Specification

ARFGAP1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q8N6T3](#)

ARFGAP1 Antibody (C-term) 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2303b](#) was selected from the C-term region of human ARFGAP1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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 (C-term) 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 (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ARFGAP1 Antibody (C-term) Blocking Peptide - Images**ARFGAP1 Antibody (C-term) Blocking Peptide - Background**

ARFGAP1 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.

ARFGAP1 Antibody (C-term) Blocking Peptide - References

Huber, I., et al., Meth. Enzymol. 329, 307-316 (2001).