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ARFGAP3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2303a

Specification

ARFGAP3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q9NP61
Other Accession	NP_055385

ARFGAP3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 26286

Other Names
ADP-ribosylation factor GTPase-activating protein 3, ARF GAP 3, ARFGAP3, ARFGAP1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2303a was selected from the N-term region of human ARFGAP3 . 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.

ARFGAP3 Antibody (N-term) Blocking Peptide - Protein Information

Name ARFGAP3

Synonyms ARFGAP1

Function
GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes.

Cellular Location
Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Note=Also found on peripheral punctate structures likely to be endoplasmic reticulum-Golgi intermediate compartment

Tissue Location
Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary

ARFGAP3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ARFGAP3 Antibody (N-term) Blocking Peptide - Images

ARFGAP3 Antibody (N-term) Blocking Peptide - Background

ARFGAP3 is an GTPase-activating protein (GAP) probably for ARF1. This protein may be involved in protein secretion and/or vesicle transport. It likely participates in promoting hydrolysis of the ARF1-bound GTP and thus, may be required for the dissociation of coat proteins from Golgi-derived membranes and vesicles, a prerequisite for vesicle's fusion with target compartment. Like other ARFGAPs, its activity is sensitive to phospholipids. Location is cytoplasmic, concentrated in the perinuclear region. Highest expression occurs in the endocrine glands (pancreas, pituary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary. ARFGAP3 is expressed at higher level in adult thymus, brain and lung, than in corresponding fetal tissues. It is expressed at lower level in spleen, heart, kidney and liver during development.

ARFGAP3 Antibody (N-term) Blocking Peptide - References

Ota, T., et al., Nat. Genet. 36(1):40-45 (2004).Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002).Zhang, C., et al., Genomics 63(3):400-408 (2000).Dunham, I., et al., Nature 402(6761):489-495 (1999).