

ARFGAP3 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14517b**Specification**

ARFGAP3 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9NP61
Other Accession	NP_001135765.1 , NP_055385.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	56928
Antigen Region	445-473

ARFGAP3 Antibody (C-term) - Additional Information**Gene ID** 26286**Other Names**

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

Target/Specificity

This ARFGAP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 445-473 amino acids from the C-terminal region of human ARFGAP3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ARFGAP3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ARFGAP3 Antibody (C-term) - 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 coatmer 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

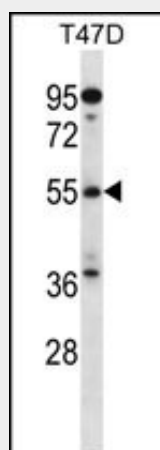
Widely expressed. Highest expression in endocrine glands (pancreas, pituitary gland, salivary gland, and prostate) and testis with a much higher expression in the testis than in the ovary

ARFGAP3 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ARFGAP3 Antibody (C-term) - Images



ARFGAP3 Antibody (C-term) (Cat. #AP14517b) western blot analysis in T47D cell line lysates (35ug/lane). This demonstrates the ARFGAP3 antibody detected the ARFGAP3 protein (arrow).

ARFGAP3 Antibody (C-term) - Background

The protein encoded by this gene is a GTPase-activating protein (GAP) that associates with the Golgi apparatus and regulates the early secretory pathway of proteins. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1 (ARF1)-bound GTP, which is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is a prerequisite for the fusion of these

vesicles with target compartments. The activity of this protein is sensitive to phospholipids. Multiple transcript variants encoding different isoforms have been found for this gene. This gene was originally known as ARFGAP1, but that is now the name of a related but different gene.

ARFGAP3 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Saitoh, A., et al. J. Biol. Chem. 284(20):13948-13957(2009)
Weimer, C., et al. J. Cell Biol. 183(4):725-735(2008)
Frigerio, G., et al. Traffic 8(11):1644-1655(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)