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ARFGAP3 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14733

Product Information

Application	WB
Primary Accession	Q9NP61
Other Accession	NM_014570, NP_055385
Reactivity	Human, Rat, Pig, Dog, Horse, Bovine
Predicted	Human, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56928

Additional Information

Gene ID	26286
Alias Symbol	ARFGAP1, FLJ45618
Other Names	ADP-ribosylation factor GTPase-activating protein 3, ARF GAP 3, ARFGAP3, ARFGAP1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ARFGAP3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ARFGAP3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

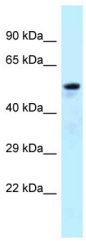
Name	ARFGAP3
Synonyms	ARFGAP1
Function	GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1), which is essential for COPI vesicle formation and retrograde transport between the Golgi and the endoplasmic reticulum (PubMed:11172815, PubMed:20858901). Hydrolysis of ARF1-bound GTP leads to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes (PubMed:11172815, PubMed:20858901). Promotes the proper assembly of the COPI coat lattice, rather than just acting as a simple curvature-dependent GAP like ARFGAP1 (PubMed:20858901).

Cellular Location	Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm 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

References

Zhang C.,et al.Genomics 63:400-408(2000).
Collins J.E.,et al.Genome Res. 13:27-36(2003).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Dunham I.,et al.Nature 402:489-495(1999).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Images



WB Suggested Anti-ARFGAP3 Antibody Titration: 0.125 µg/ml
Positive Control: Fetal Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.