

Goat Anti-ARL4D Antibody
Peptide-affinity purified goat antibody
Catalog # AF1103a

Specification

Goat Anti-ARL4D Antibody - Product Information

Application	WB
Primary Accession	P49703
Other Accession	NP_001652 , 379 , 80981 (mouse)
Reactivity	Human
Predicted	Mouse, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	22156

Goat Anti-ARL4D Antibody - Additional Information

Gene ID 379

Other Names

ADP-ribosylation factor-like protein 4D, ADP-ribosylation factor-like protein 4L, ARL4D, ARF4L

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-ARL4D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ARL4D Antibody - Protein Information

Name ARL4D

Synonyms ARF4L

Function

Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma

membrane in GDP-bound form.

Cellular Location

Nucleus, nucleolus. Cell membrane. Nucleus Cytoplasm

Goat Anti-ARL4D Antibody - 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](#)

Goat Anti-ARL4D Antibody - Images



AF1103a (0.5 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ARL4D Antibody - Background

ADP-ribosylation factor 4D is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4D is closely similar to ARL4A and ARL4C and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. This protein may play a role in membrane-associated intracellular trafficking. Mutations in this gene have been associated with Bardet-Biedl syndrome (BBS).

Goat Anti-ARL4D Antibody - References

The Arl4 family of small G proteins can recruit the cytohesin Arf6 exchange factors to the plasma membrane. Hofmann I, et al. Curr Biol, 2007 Apr 17. PMID 17398095.

A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.

High-throughput mapping of a dynamic signaling network in mammalian cells. Barrios-Rodiles M, et al. Science, 2005 Mar 11. PMID 15761153.

The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Mutations in a member of the Ras superfamily of small GTP-binding proteins causes Bardet-Biedl

syndrome. Fan Y, et al. Nat Genet, 2004 Sep. PMID 15314642.