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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 Cytomety
- 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

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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

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