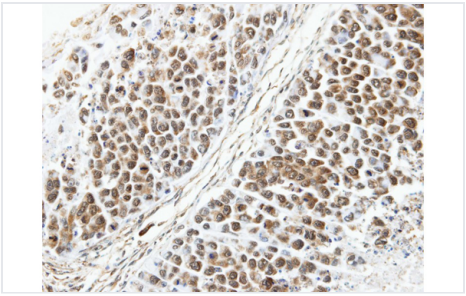
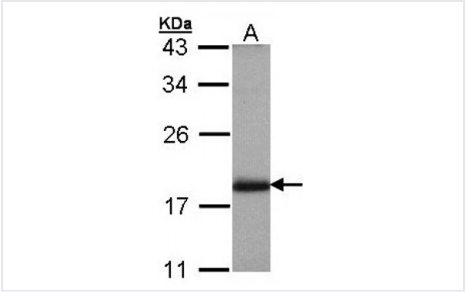
ARL4A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARL4A, Polyclonal Antibody
Full Product Name	ARL4A Antibody
Product Gene Name	anti-ARL4A antibody
Product Synonym Names	Affinity Purified Rabbit Polyclonal ARL4A Antibody; Polyclonal ARL4A antibody; Anti-ARL4A antibody; ARL4A antibody; ADP-ribosylation factor-like 4A antibody; ADP-ribosylation factor-like 4 antibody; ARLA 4; ARLA-4; ARLA-4 antibody; ARL4 antibody; ADP-ribosylation factor-like protein 4A antibody; ARL4A; ARLA 4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied as a concentrated soloution containing 1X PBS, 40% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Purity/Purification	Antigen-Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.
Molecular Weight	23 kDa
OMIM	604786
3D Structure	ModBase 3D Structure for P40617
Immunogen	ARL4A antibody was raised in rabbit using a synthetic peptide corresponding to a region within amino acids 1 and 44 of ARL4A
Cross-Reactivity	Human
Product Categories/Family for anti-ARL4A antibody	Proteases; Inhibitors; & Enzymes
Applications Tested/Suitable for anti-ARL4A antibody	Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-ARL4A antibody	IHC-P: 1:100-1:500 WB: 1:500-1:3000
Related Product Information for anti-ARL4A antibody	ADP-ribosylation factor-like 4A is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4A is similar to ARL4C and ARL4D and each has a nuclear localization signal and an unusually high guaninine nucleotide exchange rate. ARL4A is located in both the nuclear and extranuclear cell compartments.
Other Notes	Small volumes of anti-ARL4A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ARL4A purchase	MBS5311980 is an antibody targeting ARL4A. Also known as ARL4A Antibody. Host: Rabbit.



Immunohistochemistry (IHC) of anti-ARL4A antibody
Immunohistochemical staining of paraffin-embedded SNU16 xenograft using ARL4A antibody at a dilution of 1:100



Western Blot (WB) of anti-ARL4A antibody
Western blot analysis of 30 ug of whole cell lysate (A: Raji) using a 12% SDS PAGE gel and ARL4A antibody at a dilution of 1:1000

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARL4A. It may not necessarily be applicable to this product.

NCBI GI #	306482562
NCBI GeneID	10124
UniProt Primary Accession #	P40617
UniProt Related Accession #	P40617
GenBank Nucleotide #	NP_001182325.1
NCBI Official Full Name	ADP-ribosylation factor-like protein 4A
NCBI Official Synonym Full Names	ADP ribosylation factor like GTPase 4A
NCBI Official Symbol	ARL4A
NCBI Official Synonym Symbols	ARL4
UniProt Protein Name	ADP-ribosylation factor-like protein 4A
Protein Family	ADP-ribosylation factor-like protein
UniProt Gene Name	ARL4A
UniProt Synonym Gene Names	ARL4
UniProt Entry Name	ARL4A_HUMAN
NCBI Protein Information	ADP-ribosylation factor-like protein 4A
NCBI Summary for ARL4A	ADP-ribosylation factor-like 4A is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4A is similar to ARL4C and ARL4D and each has a nuclear localization signal and an unusually high guaninine nucleotide exchange rate. ARL4A is located in both the nuclear and extranuclear cell compartments. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for ARL4A	ARL4A: 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. Belongs to the small GTPase superfamily. Arf family. Protein type: G protein, monomeric; Nucleolus; G protein, monomeric, ARF Chromosomal Location of Human Ortholog: 7p21.3 Cellular Component: cytoplasm; plasma membrane; nucleolus; nucleus Molecular Function: protein binding; GTP binding Biological Process: small GTPase mediated signal transduction; brown fat cell differentiation
Research Articles on ARL4A	**1.** Arl4A participates in Slit2/Robo1 signaling to modulate cell motility by regulating Cdc42 activity.
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