ARL4C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARL4C, Polyclonal Antibody
Full Product Name	ARL4C Antibody; Biotin conjugated
Product Gene Name	anti-ARL4C antibody
Product Synonym Names	ADP-ribosylation factor-like protein 4C; ADP-ribosylation factor-like protein 7; ADP-ribosylation factor-like protein LAK; ARL4C; ARL7
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%,Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.
Matching Pairs	Unconjugated Antibody: ARL4C (MBS7000911) Biotin Conjugated Antibody: ARL4C (MBS7002846)
Molecular Weight	22,448 Da
OMIM	604787
3D Structure	ModBase 3D Structure for P56559
Immunogen	Recombinant human ADP-ribosylation factor-like protein 4C protein
Conjugation	Biotin
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-107429
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ARL4C antibody	ELISA (EIA)
Related Product Information for anti-ARL4C antibody	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. May be involved in transport between a perinuclear compartment and the plasma membrane, apparently linked to the ABCA1-mediated cholesterol secretion pathway. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in the GDP-bound form. Regulates the microtubule-dependent intracellular vesicular transport from early endosome to recycling endosome process.
Other Notes	Small volumes of anti-ARL4C 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 ARL4C purchase	MBS7002846 is an antibody targeting ARL4C. Also known as ARL4C Antibody; Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARL4C. It may not necessarily be applicable to this product.

NCBI GI #	540344578
NCBI GeneID	10123
NCBI Accession #	NP_001269360.1
UniProt Primary Accession #	P56559
UniProt Secondary Accession #	Q4A519; Q53R10; Q9BVN1; Q9UQ34
UniProt Related Accession #	P56559
GenBank Nucleotide #	NM_001282431.1
NCBI Official Full Name	ADP-ribosylation factor-like protein 4C isoform 1
NCBI Official Synonym Full Names	ADP ribosylation factor like GTPase 4C
NCBI Official Symbol	ARL4C
NCBI Official Synonym Symbols	LAK; ARL7
UniProt Protein Name	ADP-ribosylation factor-like protein 4C
UniProt Synonym Protein Names	ADP-ribosylation factor-like protein 7; ADP-ribosylation factor-like protein LAK
Protein Family	ADP-ribosylation factor-like protein
UniProt Gene Name	ARL4C
UniProt Synonym Gene Names	ARL7
UniProt Entry Name	ARL4C_HUMAN
NCBI Protein Information	ADP-ribosylation factor-like protein 4C
NCBI Summary for ARL4C	ADP-ribosylation factor-like 4C is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4C is closely similar to ARL4A and ARL4D and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. This protein may play a role in cholesterol transport. [provided by RefSeq, Jul 2008]
UniProt Comments for ARL4C	ARL4C: 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. May be involved in transport between a perinuclear compartment and the plasma membrane, apparently linked to the ABCA1-mediated cholesterol secretion pathway. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in the GDP- bound form. Regulates the microtubule-dependent intracellular vesicular transport from early endosome to recycling endosome process. Belongs to the small GTPase superfamily. Arf family. Protein type: G protein, monomeric; G protein, monomeric, ARF; G protein Chromosomal Location of Human Ortholog: 2q37.1 Cellular Component: cytoplasm; filopodium; nucleus; plasma membrane Molecular Function: alpha-tubulin binding; GTP binding; GTPase activity; protein binding Biological Process: endocytic recycling; small GTPase mediated signal transduction
Research Articles on ARL4C	**1.** Arl4c is involved in tumorigenesis and might represent a novel therapeutic target for suppressing proliferation and invasion of colorectal and lung cancer cells.

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