ARL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARL2, Polyclonal Antibody
Full Product Name	ARL2 Conjugated Antibody
Product Gene Name	anti-ARL2 antibody
Product Synonym Names	ARFL2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total ARL2 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	18,056 Da
OMIM	601175
3D Structure	ModBase 3D Structure for P36404
Immunogen	Full length fusion protein
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-ARL2 antibody	Most Applications
Application Notes for anti-ARL2 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-ARL2 antibody	This gene encodes a small GTP-binding protein of the RAS superfamily which functions as an ADP-ribosylation factor (ARF). The encoded protein is one of a functionally distinct group of ARF-like genes. 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. Regulates formation of new microtubules and centrosome integrity. Prevents the TBCD-induced microtubule destruction.
Other Notes	Small volumes of anti-ARL2 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 ARL2 purchase	MBS9446107 is an antibody targeting ARL2. Also known as ARL2 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARL2. It may not necessarily be applicable to this product.

NCBI GI #	37589854
NCBI GeneID	402
NCBI Accession #	BC002530
UniProt Primary Accession #	P36404
UniProt Secondary Accession #	Q9BUK8; G3V184
UniProt Related Accession #	P36404
NCBI Official Full Name	Homo sapiens ADP-ribosylation factor-like 2, mRNA
NCBI Official Synonym Full Names	ADP-ribosylation factor-like 2
NCBI Official Symbol	ARL2
NCBI Official Synonym Symbols	ARFL2
UniProt Protein Name	ADP-ribosylation factor-like protein 2
Protein Family	ADP-ribosylation factor-like protein
UniProt Gene Name	ARL2
UniProt Entry Name	ARL2_HUMAN
NCBI Protein Information	ADP-ribosylation factor-like protein 2
NCBI Summary for ARL2	This gene encodes a small GTP-binding protein of the RAS superfamily which functions as an ADP-ribosylation factor (ARF). The encoded protein is one of a functionally distinct group of ARF-like genes. [provided by RefSeq, Jul 2008]
UniProt Comments for ARL2	ARL2: 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. Regulates formation of new microtubules and centrosome integrity. Prevents the TBCD-induced microtubule destruction. Participates in association with TBCD, in the disassembly of the apical junction complexes. Antagonizes the effect of TBCD on epithelial cell detachment and tight and adherens junctions disassembly. Together with ARL2, plays a role in the nuclear translocation, retention and transcriptional activity of STAT3. Component of a regulated secretory pathway involved in Ca(2+)-dependent release of acetylcholine. Required for normal progress through the cell cycle. Belongs to the small GTPase superfamily. Arf family. Protein type: G protein, monomeric, ARF; Mitochondrial; G protein, monomeric Chromosomal Location of Human Ortholog: 11q13 Cellular Component: centrosome; mitochondrial intermembrane space; nucleus; lateral plasma membrane Molecular Function: GTPase activity; protein binding; GDP binding; GTP binding; GTPase inhibitor activity Biological Process: tubulin folding; centrosome organization and biogenesis; metabolic process; small GTPase mediated signal transduction; positive regulation of microtubule polymerization; maintenance of protein localization in nucleus; cell cycle; regulation of microtubule polymerization
Research Articles on ARL2	**1.** MiR-195 regulates cell apoptosis in a context-dependent manner through directly targeting ARL2.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/arl2/9446107