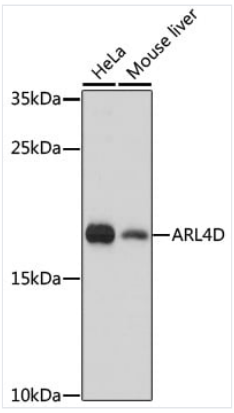
ARL4D Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARL4D, Polyclonal Antibody
Full Product Name	ARL4D Polyclonal Antibody
Product Gene Name	anti-ARL4D antibody
Product Synonym Names	ARL4D; ARF4L; ARL6; ADP ribosylation factor like GTPase 4D
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	3.05 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
OMIM	600732
3D Structure	ModBase 3D Structure for P49703
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 92-201 of human ARL4D (NP_001652.2).
Immunogen Sequence	RRTDGLVFVVDAAEAERLEEAKVELHRISRASDNQGVPVLVLANKQDQPGALSAAEVEKRLAVRELAAATLTHVQGCSAVDGLGLQQGLERLYEMILKRK
Cellular Location	Golgi Apparatus, Lipid-Anchor, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ARL4D antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-ARL4D antibody	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:100
Related Product Information for anti-ARL4D antibody	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 a nuclear localization signal and an unusually high guanine nucleotide exchange rate. This protein may play a role in membrane-associated intracellular t Mutations in this gene have been associated with Bardet-Biedl syndrome (BBS).
Other Notes	Small volumes of anti-ARL4D antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 apply.

Searchable Terms for ARL4D purchase	MBS9140984 is an antibody targeting ARL4D. Also known as ARL4D Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ARL4D antibody
Western blot-ARL4D Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARL4D. It may not necessarily be applicable to this product.

NCBI GI #	41327767
NCBI GeneID	379
NCBI Accession #	NP_001652.2
UniProt Primary Accession #	P49703
UniProt Related Accession #	P49703
GenBank Nucleotide #	NP_001652.2
NCBI Official Full Name	ADP-ribosylation factor-like protein 4D
NCBI Official Synonym Full Names	ADP ribosylation factor like GTPase 4D
NCBI Official Symbol	ARL4D
NCBI Official Synonym Symbols	ARL6; ARF4L
UniProt Protein Name	ADP-ribosylation factor-like protein 4D
UniProt Synonym Protein Names	ADP-ribosylation factor-like protein 4L
Protein Family	ADP-ribosylation factor-like protein
UniProt Gene Name	ARL4D
UniProt Synonym Gene Names	ARF4L
UniProt Entry Name	ARL4D_HUMAN
NCBI Protein Information	ADP-ribosylation factor-like protein 4D

UniProt Comments for ARL4D	ARL4D: 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; G protein Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: cytoplasm; nucleolus; plasma membrane Molecular Function: GTPase activity; protein binding; GTP binding Biological Process: metabolic process; small GTPase mediated signal transduction; protein secretion
Research Articles on ARL4D	**1.** a portion of endogenous ARL4D and the GTP-binding-defective ARL4D mutant ARL4D(T35N) reside in the mitochondria
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