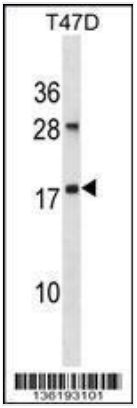
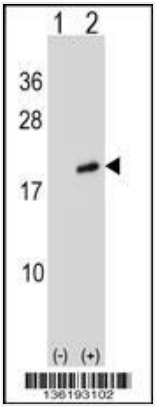
ARL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARL2, Polyclonal Antibody
Full Product Name	ARL2, ID (ARL2, ADP-ribosylation factor-like protein 2)
Product Gene Name	anti-ARL2 antibody
Product Synonym Names	Anti -ARL2, ID (ARL2, ADP-ribosylation factor-like protein 2)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	20,878 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (64781585..64789657). Location: 11q13
OMIM	601175
3D Structure	ModBase 3D Structure for P36404
Immunogen	ARL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the Central region of human ARL2.
Product Categories/Family for anti-ARL2 antibody	Antibodies; Abs to GTPase; Rab; Ras; Rho Proteins
Applications Tested/Suitable for anti-ARL2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-ARL2 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
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.
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	MBS643653 is an antibody targeting ARL2. Also known as ARL2, ID (ARL2, ADP-ribosylation factor-like protein 2). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-ARL2 antibody
ARL2 Antibody (Center) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the ARL2 antibody detected the ARL2 protein (arrow).



Western Blot (WB) of anti-ARL2 antibody
Western blot analysis of ARL2 (arrow) using rabbit polyclonal ARL2 Antibody (Center) . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the ARL2 gene.

ADDITIONAL DETAILS

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

NCBI GI #	148612885
NCBI GeneID	402
NCBI Accession #	NP_001658.2
UniProt Primary Accession #	P36404
UniProt Secondary Accession #	Q9BUK8; G3V184
UniProt Related Accession #	P36404
GenBank Nucleotide #	NM_001667.3
NCBI Official Full Name	ADP-ribosylation factor-like protein 2 isoform 1
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

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: Mitochondrial; G protein, monomeric; G protein, monomeric, ARF 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; metabolic process; centrosome organization and biogenesis; positive regulation of microtubule polymerization; small GTPase mediated signal transduction; maintenance of protein localization in nucleus; cell cycle; regulation of microtubule polymerization
Research Articles on ARL2	**1.** The G proteins Arl2 acts in a GTP-dependent manner as allosteric release factors for farnesylated cargo.
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