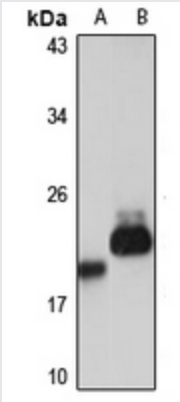
ARL8B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ARL8B, Polyclonal Antibody
Full Product Name	Anti-ARL8B Antibody
Product Gene Name	anti-ARL8B antibody
Product Synonym Names	ARL10C; GIE1; ADP-ribosylation factor-like protein 8B; ADP-ribosylation factor-like protein 10C; Novel small G protein indispensable for equal chromosome segregation 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of ARL8B protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	21,539 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (5163930..5222601). Location: 3p26.1
3D Structure	ModBase 3D Structure for Q9NVJ2
Immunogen	Recombinant fusion protein of human ARL8B. The exact sequence is proprietary.
Applications Tested/Suitable for anti-ARL8B antibody	Western Blot (WB)
Application Notes for anti-ARL8B antibody	WB: 1:500-1:2000
Related Product Information for anti-ARL8B antibody	MBS8306052 is an antibody targeting ARL8B. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to ARL8B
Other Notes	Small volumes of anti-ARL8B 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.



Western Blot (WB) of anti-ARL8B antibody
Western blot analysis of ARL8B expression in U87MG (A), mouse brain (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ARL8B. It may not necessarily be applicable to this product.

NCBI GI #	8922601
NCBI GeneID	55207
NCBI Accession #	NP_060654.1
UniProt Primary Accession #	Q9NVJ2
UniProt Secondary Accession #	Q9CQW2
UniProt Related Accession #	Q9NVJ2
GenBank Nucleotide #	NM_018184.2
NCBI Official Full Name	ADP-ribosylation factor-like protein 8B
NCBI Official Synonym Full Names	ADP-ribosylation factor-like 8B
NCBI Official Symbol	ARL8B
NCBI Official Synonym Symbols	Gie1; ARL10C
UniProt Protein Name	ADP-ribosylation factor-like protein 8B
UniProt Synonym Protein Names	ADP-ribosylation factor-like protein 10C; Novel small G protein indispensable for equal chromosome segregation 1
Protein Family	ADP-ribosylation factor-like protein
UniProt Gene Name	ARL8B
UniProt Synonym Gene Names	ARL10C; GIE1
UniProt Entry Name	ARL8B_HUMAN
NCBI Protein Information	ADP-ribosylation factor-like protein 8B; ADP-ribosylation factor-like 10C; ADP-ribosylation factor-like protein 10C; novel small G protein indispensable for equal chromosome segregation 1

UniProt Comments for ARL8B	Function: May play a role in lysosome motility (Ref.6). May play a role in chromosome segregation (Ref.1). Ref.1 Ref.6 Subunit structure: Interacts with tubulin. Ref.1 Subcellular location: Late endosome membrane. Lysosome membrane. Cytoplasm › cytoskeleton › spindle. Note: According to Ref.1, it localizes with microtubules at the spindle mid-zone during mitosis. Ref.1 Ref.6 Ref.7 Tissue specificity: Ubiquitously expressed. Ref.1 Sequence similarities: Belongs to the small GTPase superfamily. Arf family.
Research Articles on ARL8B	**1.** The authors find that Arl8B is required for kinesin-1 recruitment to Salmonella-containing vacuoles, migration of the vacuoles to the cell periphery 24 h after infection and for cell-to-cell transfer of bacteria to neighbouring cells.
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