

Product datasheet

Recombinant Human ARL2 protein ab103471

1 Image

Description

Product name	Recombinant Human ARL2 protein
Purity	> 90 % SDS-PAGE. ab103471 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	P36404
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMGLLTILKKMKQKERELR LLMLGLDNAGKT TILKKFNGEDIDTISPTLGFNIKTLEHRGFKLNWDVGGQKSL RSYWRNY FESTDGLWVVDSADRQRMQDCQRELQSLLEERLAGAT LLIFANKQDLP GALSSNAIREALELDSIRSHHWCIQGCSAVTGENLLPGIDW LLDDISSRI FTAD
Predicted molecular weight	23 kDa including tags
Amino acids	1 to 184
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab103471** in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.00174% PMSF, 0.0154% DTT, 0.316% Tris HCl, 40% Glycerol (glycerin, glycerine)

General Info

Function

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.

Sequence similarities

Belongs to the small GTPase superfamily. Arf family.

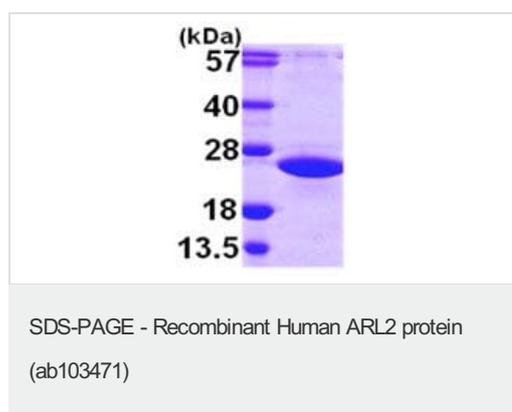
Post-translational modifications

Not N-myristoylated.

Cellular localization

Mitochondrion intermembrane space. Cytoplasm > cytoskeleton > centrosome. Nucleus. Cytoplasm. The complex formed with ARL2BP, ARL2 and SLC25A6 is expressed in mitochondria. The complex formed with ARL2BP, ARL2 and SLC25A4 is expressed in mitochondria (By similarity). Not detected in the Golgi, nucleus and on the mitotic spindle. Centrosome-associated throughout the cell cycle. Not detected to interphase microtubules.

Images



15% SDS-PAGE analysis of 3µg ab103471.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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