

**ARL7 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2310a****Specification**

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**ARL7 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [P56559](#)  
Other Accession [NP\\_005728](#)

**ARL7 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 10123

**Other Names**

ADP-ribosylation factor-like protein 4C, ADP-ribosylation factor-like protein 7, ADP-ribosylation factor-like protein LAK, ARL4C, ARL7

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2310a](/product/products/AP2310a) was selected from the N-term region of human ARL7. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**ARL7 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** ARL4C

**Synonyms** ARL7

**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. May be involved in transport between a perinuclear compartment and the plasma membrane, apparently linked to the ABCA1-mediated cholesterol secretion pathway. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in the GDP-bound form. Regulates the microtubule-dependent intracellular vesicular transport from early endosome to recycling endosome process.

**Cellular Location**

Cell projection, filopodium. Cell membrane. Cytoplasm

**Tissue Location**

Expressed in several tumor cell lines (at protein level). Expressed in lung, brain, leukocytes and placenta

**ARL7 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**ARL7 Antibody (N-term) Blocking Peptide - Images****ARL7 Antibody (N-term) Blocking Peptide - Background**

ADP-ribosylation factor-like 7 is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL7 is closely similar to ARL4 and ARL6 and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate.

**ARL7 Antibody (N-term) Blocking Peptide - References**

Jacobs, S., et al., FEBS Lett. 456(3):384-388 (1999).