

ARL6IP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16637a**Specification**

ARL6IP1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15041](#)**ARL6IP1 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 23204

Other Names

ADP-ribosylation factor-like protein 6-interacting protein 1, ARL-6-interacting protein 1, Aip-1, ARL6IP1, ARL6IP, KIAA0069

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.

ARL6IP1 Antibody (N-term) Blocking Peptide - Protein Information

Name ARL6IP1

Function

Positively regulates SLC1A1/EAAC1-mediated glutamate transport by increasing its affinity for glutamate in a PKC activity- dependent manner. Promotes the catalytic efficiency of SLC1A1/EAAC1 probably by reducing its interaction with ARL6IP5, a negative regulator of SLC1A1/EAAC1-mediated glutamate transport (By similarity). Plays a role in the formation and stabilization of endoplasmic reticulum tubules (PubMed: [24262037](http://www.uniprot.org/citations/24262037)). Negatively regulates apoptosis, possibly by modulating the activity of caspase-9 (CASP9). Inhibits cleavage of CASP9-dependent substrates and downstream markers of apoptosis but not CASP9 itself (PubMed: [12754298](http://www.uniprot.org/citations/12754298)). May be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation (PubMed: [10995579](http://www.uniprot.org/citations/10995579)).

Cellular Location

Endomembrane system; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q9JKW0}. Note=Predominantly localized to intracytoplasmic membranes. Preferentially localizes at the ER

tubules and the edge of the ER sheets, both of which are characterized by a high membrane curvature.

Tissue Location

Expressed in all hematopoietic cell lineages, but the highest level of expression is found in early myeloid progenitor cells. Expressed in brain, bone marrow, thymus and lung. Expressed at low level in liver, kidney and spleen. Not detected in heart

ARL6IP1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ARL6IP1 Antibody (N-term) Blocking Peptide - Images**ARL6IP1 Antibody (N-term) Blocking Peptide - Background**

ARL6IP1 may be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation.

ARL6IP1 Antibody (N-term) Blocking Peptide - References

Guo, F., et al. Oncol. Rep. 23(5):1449-1455(2010) Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009) Lamesch, P., et al. Genomics 89(3):307-315(2007) Lui, H.M., et al. Mol. Cancer Res. 1(7):508-518(2003) Pettersson, M., et al. Genomics 68(3):351-354(2000)