

**ARL6IP1 antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14686****Specification**

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**ARL6IP1 antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">Q15041</a>
Other Accession	<a href="#">NM_015161</a> , <a href="#">NP_055976</a>
Reactivity	Human, Mouse, Rat, Rabbit, Goat, Sheep, Horse, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Chicken, Goat, Sheep, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22kDa kDa

**ARL6IP1 antibody - C-terminal region - Additional Information****Gene ID** 23204**Alias Symbol** **AIP1, ARL6IP, ARMER, KIAA0069****Other Names**

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

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-ARL6IP1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

ARL6IP1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**ARL6IP1 antibody - C-terminal region - 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:&lt;a href="http://www.uniprot.org/citations/24262037" target="\_blank"&gt;24262037&lt;/a&gt;). 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:<a href="http://www.uniprot.org/citations/12754298" target="\_blank">12754298</a>). May be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation (PubMed:<a href="http://www.uniprot.org/citations/10995579" target="\_blank">10995579</a>).

#### 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

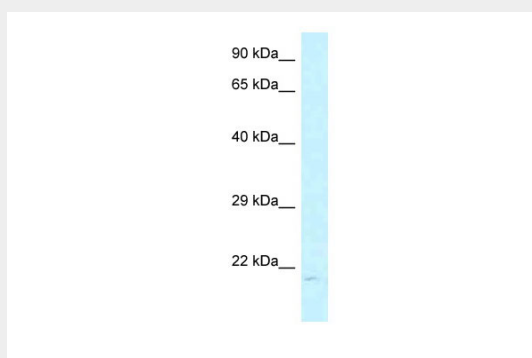
Expressed in all hematopoietic cell lineages, but the highest level of expression is found in early myeloid progenitor cells. Expressed in brain, bone marrow, thymus and lung. Expressed at low level in liver, kidney and spleen. Not detected in heart

### ARL6IP1 antibody - C-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ARL6IP1 antibody - C-terminal region - Images



WB Suggested Anti-ARL6IP1 Antibody Titration: 1.0 µg/ml

Positive Control: MCF7 Whole Cell ARL6IP1 is supported by BioGPS gene expression data to be expressed in MCF7

### ARL6IP1 antibody - C-terminal region - References

- Nomura N.,et al.DNA Res. 1:223-229(1994).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Martin J.,et al.Nature 432:988-994(2004).

Pettersson M.,et al.Genomics 68:351-354(2000).  
Kuroda M.,et al.FEBS Lett. 587:3656-3660(2013).