

# ARL6IP1 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI14686

### **Product Information**

Application WB Primary Accession Q15041

Other Accession <u>NM\_015161</u>, <u>NP\_055976</u>

**Reactivity** Human, Mouse, Rat, Rabbit, Zebrafish, Goat, Dog, Guinea Pig, Horse, Sheep

**Predicted** Human, Mouse, Rat, Rabbit, Zebrafish, Chicken, Goat, Dog, Sheep

Host Rabbit
Clonality Polyclonal
Calculated MW 23363

## **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.

## **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). 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). May be involved in protein transport, membrane trafficking, or cell signaling

during hematopoietic maturation (PubMed: 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.

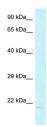
#### **Tissue Location**

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

# 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).

# **Images**



WB Suggested Anti-ARL6IP1 Antibody Titration: 1.0 µg/ml Positive Control: MCF7 Whole CellARL6IP1 is supported by BioGPS gene expression data to be expressed in MCF7

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.