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ARL6IP1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14686

Product Information

Application	WB
Primary Accession	Q15041
Other Accession	NM_015161, NP_055976
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