

**ARL6IP5 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17402c****Specification**

---

**ARL6IP5 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75915</a>
Other Accession	<a href="#">NP_006398.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21615
Antigen Region	70-99

**ARL6IP5 Antibody (Center) - Additional Information****Gene ID** 10550**Other Names**

PRA1 family protein 3, ADP-ribosylation factor-like protein 6-interacting protein 5, ARL-6-interacting protein 5, Aip-5, Cytoskeleton-related vitamin A-responsive protein, Dermal papilla-derived protein 11, GTRAP3-18, Glutamate transporter EAAC1-interacting protein, JM5, Prenylated Rab acceptor protein 2, Protein JWa, Putative MAPK-activating protein PM27, ARL6IP5, DERP11, JWA, PRA2, PRAF3

**Target/Specificity**

This ARL6IP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-99 amino acids from the Central region of human ARL6IP5.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ARL6IP5 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ARL6IP5 Antibody (Center) - Protein Information**

**Name** ARL6IP5

**Synonyms** DERP11, JWA, PRA2, PRAF3

**Function** Regulates intracellular concentrations of taurine and glutamate. Negatively modulates SLC1A1/EAAC1 glutamate transport activity by decreasing its affinity for glutamate in a PKC activity- dependent manner. Plays a role in the retention of SLC1A1/EAAC1 in the endoplasmic reticulum.

**Cellular Location**

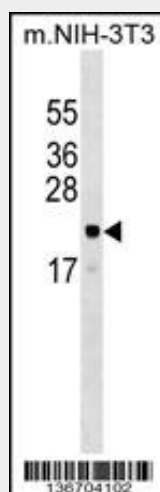
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9ES40}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q9ES40}; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q9ES40}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9ES40}. Note=Also exists as a soluble form in the cytoplasm. Associated with microtubules {ECO:0000250|UniProtKB:Q9ES40}

**ARL6IP5 Antibody (Center) - 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](#)

**ARL6IP5 Antibody (Center) - Images**



ARL6IP5 Antibody (Center) (Cat. #AP17402c) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the ARL6IP5 antibody detected the ARL6IP5 protein (arrow).

**ARL6IP5 Antibody (Center) - Background**

Expression of this gene is affected by vitamin A. The encoded protein of this gene may be associated with the

cytoskeleton. A similar protein in rats may play a role in the regulation of cell differentiation. The rat protein binds and inhibits the cell membrane glutamate transporter EAAC1. The expression of the rat gene is upregulated by retinoic acid, which results in a specific reduction in EAAC1-mediated glutamate transport.

#### **ARL6IP5 Antibody (Center) - References**

Edenberg, H.J., et al. Alcohol. Clin. Exp. Res. 34(5):840-852(2010)  
Akiduki, S., et al. J. Biol. Chem. 283(46):31323-31332(2008)  
Ruggiero, A.M., et al. J. Biol. Chem. 283(10):6175-6183(2008)  
Watabe, M., et al. Mol. Pharmacol. 72(5):1103-1110(2007)  
Zhu, Y.J., et al. J. Toxicol. Environ. Health Part A 70(11):895-900(2007)