

**ARL6IP5 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17402c****Specification**

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**ARL6IP5 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O75915](#)**ARL6IP5 Antibody (Center) Blocking Peptide - 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

**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.

**ARL6IP5 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **ARL6IP5 Antibody (Center) Blocking Peptide - Images**

## **ARL6IP5 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)