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ARL6IP5 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP17402c

Specification

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}

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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. Theencoded protein of this gene may be associated with thecytoskeleton. A similar protein in rats may play a role in theregulation of cell differentiation. The rat protein binds andinhibits the cell membrane glutamate transporter EAAC1. Theexpression of the rat gene is upregulated by retinoic acid, whichresults in a specific reduction in EAAC1-mediated glutamatetransport.

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)