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ARL6IP5 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17402c

Specification

ARL6IP5 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O75915
Other Accession	NP_006398.1
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

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

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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.

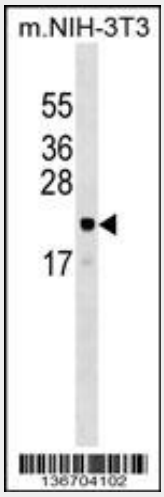
Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9ES40}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q9ES40}; Multi-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q9ES40}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q9ES40}. Note=Also exists as 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 Cytomety
- 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

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Watabe, M., et al. Mol. Pharmacol. 72(5):1103-1110(2007)
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