

Rabbit anti-Human, mouse ARL6IP5 Polyclonal Antibody | anti-ARL6IP5 antibody

ARL6IP5 Antibody (Center)

CATALOG # AAA289075	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS ELISA, Western Blot
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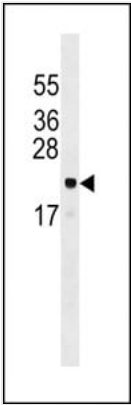
PRODUCT SYNONYMS

ARL6IP5; Polyclonal Antibody; ARL6IP5 Antibody (Center); 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; DERP11; JWA; PRA2; PRAF3; anti-ARL6IP5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	70-99
Sequence Length	188
Applicable Applications for anti-ARL6IP5 antibody	ELISA, WB (Western Blot)
Calculated MW	21615
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. May be involved in membrane traffic.
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}
Preparation and 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.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for anti-ARL6IP5 antibody	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.
Product Categories/Family for anti-ARL6IP5 antibody	Cell Biology; Signal transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453704
NCBI GeneID	10550
NCBI Accession #	NP_006398.1
NCBI GenBank Nucleotide #	NM_006407.3
UniProt Accession #	O75915; Q53ES3; Q5KU08; B2R6V5
NCBI Official Full Name	PRA1 family protein 3
NCBI Official Synonym Full Names	ADP-ribosylation factor-like 6 interacting protein 5
NCBI Official Symbol	ARL6IP5
NCBI Official Synonym Symbols	JWA; jmx; hp22; PRAF3; DERP11; HSPC127; addicsin; GTRAP3-18
NCBI Protein Information	PRA1 family protein 3
UniProt Protein Name	PRA1 family protein 3
UniProt Gene Name	ARL6IP5

UniProt Synonym Gene Names	DERP11; JWA; PRA2; PRAF3; ARL-6-interacting protein 5; Aip-5
UniProt Entry Name	PRAF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/arl6ip5-antibody-western-blot-elisa/289075>