

Rabbit anti-Human, Rat RPGRIP1L Polyclonal Antibody | anti-RPGRIP1L antibody

RPGRIP1L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322995	Rabbit	Human, Rat	Immunohistochemistry, Western Blot

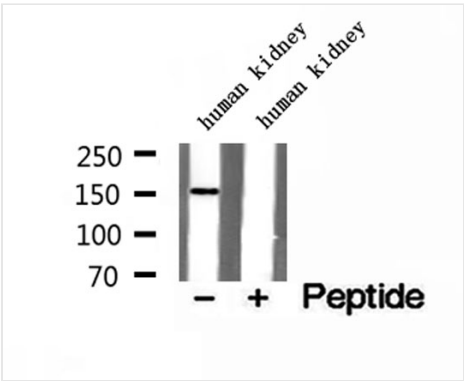
PRODUCT SYNONYMS

RPGRIP1L; Polyclonal Antibody; RPGRIP1L Antibody; CORS 3; CORS3; Fantom; FTM; FTM_HUMAN; JBTS 1; JBTS 7; JBTS1; JBTS7; Joubert syndrome 1; Joubert syndrome 7; Meckel syndrome; type 1; type 5; MKS 5; MKS5; Nephrocystin-8; NPHP 8; NPHP8; Protein fantom; Retinitis pigmentosa GTPase regulator interacting protein 1 like; RPGR interacting protein 1 like protein; RPGR-interacting protein 1-like protein; RPGRIP1 like protein; RPGRIP1-like protein; Rpgrip1l; anti-RPGRIP1L antibody

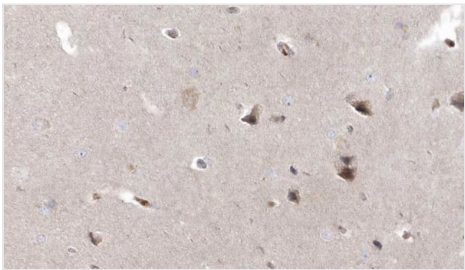
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RPGRIP1L antibody detects endogenous levels of RPGRIP1L.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1235
Applicable Applications for anti-RPGRIP1L antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RPGRIP1L.
Subcellular Location	Cytoplasm. Cytoplasm > Cytoskeleton > Cilium Basal Body. Cytoplasm > Cytoskeleton > Cilium Axoneme. Cytoplasm > Cytoskeleton > Microtubule Organizing Center > Centrosome. Cell Junction > Tight Junction. In cultured renal cells, it localizes diffusely in the cytoplasm but, as cells approach confluence, it accumulates to basolateral tight junctions.
Tissue Specificity	Ubiquitously expressed with relatively high level of expression in hypothalamus and islet. During early development, expressed in multiple organs including brain, eye, forelimb and kidney.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (92%), Horse (92%), Sheep (92%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of human kidney tissue, using RPGRIP1L antibody.



IHC (Immunohistochemistry)
AAA322995 at 1/100 staining Human brain cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RPGRIP1L antibody	Function: Negatively regulates signaling through the G-protein coupled thromboxane A2 receptor (TBXA2R) (PubMed:19464661). May be involved in mechanisms like programmed cell death, craniofacial development, patterning of the limbs, and formation of the left-right axis (By similarity). Involved in the organization of apical junctions; the function is proposed to implicate a NPHP1-4-8 module. Does not seem to be strictly required for ciliogenesis (PubMed:19464661). Involved in establishment of planar cell polarity such as in cochlear sensory epithelium and is proposed to implicate stabilization of disheveled proteins (By similarity). Involved in regulation of proteasomal activity at the primary cilium probably implicating association with PSDM2 (By similarity). Subunit Structure: Interacts with NPHP4 and NPHP1; NPHP1, NPHP4 and RPGRIP1L are proposed to form a functional NPHP1-4-8 module localized to cell-cell contacts and the ciliary transition zone; NPHP4 mediates the interaction between NPHP1 and RPGRIP1L. Interacts with IQCB1; the interaction likely requires additional interactors (By similarity). Interacts with TBXA2R (via C-terminus). Interacts with RPGR. Interacts with NEK4. Interacts with NPHP4, INVS and DVL2; the complex is proposed to be involved in DVL2 stabilization. Similarity: Belongs to the RPGRIP1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189217904
NCBI GeneID	23322
NCBI Accession #	NP_001121369.1
NCBI GenBank Nucleotide #	NM_001127897.3
UniProt Accession #	Q68CZ1; Q9Y2K8; A0PJ88
Molecular Weight	Observed: 151 kDa Predicted: 152 kDa
NCBI Official Full Name	protein fantom isoform b
NCBI Official Synonym Full Names	RPGRIP1 like
NCBI Official Symbol	RPGRIP1L
NCBI Official Synonym Symbols	FTM; MKS5; CORS3; JBTS7; NPHP8; PPP1R134
NCBI Protein Information	protein fantom
UniProt Protein Name	Protein fantom
UniProt Gene Name	RPGRIP1L
UniProt Synonym Gene Names	FTM; KIAA1005; NPHP8; RPGRIP1-like protein

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/rpgrip1l-antibody-immunohistochemistry-western-blot-elisa/322995>