

Rabbit RPGRIP1L Polyclonal Antibody | anti-RPGRIP1L antibody

Anti-RPGRIP1L Antibody Picoband

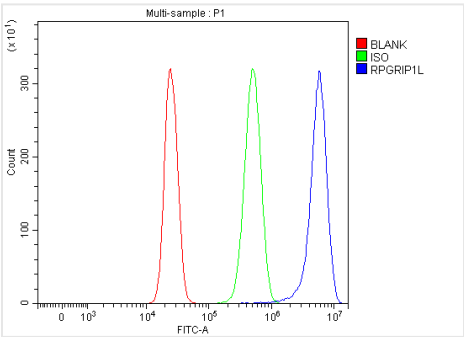
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127218	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

RPGRIP1L; Polyclonal Antibody; Anti-RPGRIP1L Antibody Picoband; endothelial cell specific molecule 1 ; Endothelial cell-specific molecule 1; ESM-1; ESM1; anti-RPGRIP1L antibody

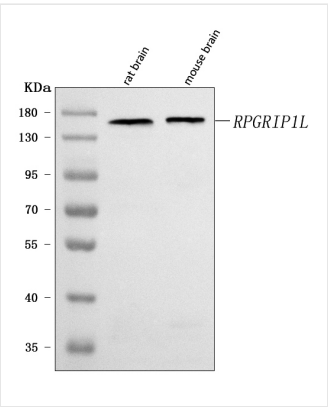
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in lung, on the vascular capillary network within alveolar walls, and also at lower level in kidney.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-RPGRIP1L antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human RPGRIP1L recombinant protein (Position: E608-D1264).
Subcellular Localization	Secreted
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Involved in angiogenesis; promotes angiogenic sprouting. May have potent implications in lung endothelial cell-leukocyte interactions.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of HepG2 cells using anti-RPGRIP1L antibody (AAA127218).Overlay histogram showing HepG2 cells stained with AAA127218 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RPGRIP1L Antibody (AAA127218, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of RPGRIP1L using anti-RPGRIP1L antibody (AAA127218).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat brain tissue lysates,Lane 2: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-RPGRIP1L antigen affinity purified polyclonal antibody (#AAA127218) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for RPGRIP1L at approximately 151 kDa. The expected band size for RPGRIP1L is at 151 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RPGRIP1L antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-RPGRIP1L antibody	Primary Antibodies; Cell Type Markers; Tags & Cell Markers
References	1. Arts, H. H., Doherty, D., van Beersum, S. E. C., Parisi, M. A., Letteboer, S. J. F., Gorden, N. T., Peters, T. A., Marker, T., Voeselek, K., Kartono, A., Ozyurek, H., Farin, F. M., Kroes, H. Y., Wolfrum, U., Brunner, H. G., Cremers, F. P. M., Glass, I. A., Knoers, N. V. A. M., Roepman, R. Mutations in the gene encoding the basal body protein RPGRIP1L, a nephrocystin-4 interactor, cause Joubert syndrome. Nature Genet. 39: 882-888, 2007. 2. Brancati, F., Travaglini, L., Zablocka, D., Boltshauser, E., Accorsi, P., Montagna, G., Silhavy, J. L., Barrano, G., Bertini, E., Emma, F., Rigoli, L., the International JSRD Study Group, Dallapiccola, B., Gleeson, J. G., Valente, E. M. RPGRIP1L mutations are mainly associated with the cerebello-renal phenotype of Joubert syndrome-related disorders. Clin. Genet. 74: 164-170, 2008. 3. Delous, M., Baala, L., Salomon, R., Laclef, C., Vierkotten, J., Tory, K., Golzio, C., Lacoste, T., Besse, L., Ozilou, C., Moutkine, I., Hellman, N. E., and 25 others. The ciliary gene RPGRIP1L is mutated in cerebello-oculo-renal syndrome (Joubert syndrome type B) and Meckel syndrome. Nature Genet. 39: 875-881, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296434514
NCBI GeneID	23322
UniProt Accession #	Q68CZ1; Q9Y2K8; A0PJ88
Molecular Weight	1315
NCBI Official Full Name	Protein fantom
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; fantom homolog; nephrocystin-8; RPGR-interacting protein 1-like protein; protein phosphatase 1, regulatory subunit 134
UniProt Protein Name	Protein fantom
UniProt Gene Name	RPGRIP1L
UniProt Synonym Gene Names	FTM; KIAA1005; NPHP8; RPGRIP1-like protein
UniProt Entry Name	FTM_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/rpgrip1l-antibody-flow-cytometry-western-blot-elisa/127218>