

Rabbit PRKCSH Polyclonal Antibody | anti-PRKCSH antibody

Anti-PRKCSH Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127271	Rabbit	Human, Mouse, Rat	Western Blot, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PRKCSH; Polyclonal Antibody; Anti-PRKCSH Antibody Picoband; Uncharacterized protein; fms-related tyrosine kinase 3 ligand; Fms-related tyrosine kinase 3 ligand ; Flt3lg; anti-PRKCSH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-PRKCSH antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PRKCSH recombinant protein (Position: E16-L506).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
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.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SiHa cells using anti-PRKCSH antibody (AAA127271).Overlay histogram showing SiHa cells stained with AAA127271 (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-PRKCSH Antibody (AAA127271, 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 (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of PRKCSH using anti-PRKCSH antibody (AAA127271).PRKCSH was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PRKCSH Antibody (AAA127271) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PRKCSH using anti-PRKCSH antibody (AAA127271). 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: human Hela whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human Daudi whole cell lysates, Lane 4: human HEL whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat L6 whole cell lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse C2C12 whole cell 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-PRKCSH antigen affinity purified polyclonal antibody (#AAA127271) at 0.25ug/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 PRKCSH at approximately 90 kDa. The expected band size for PRKCSH is at 59,80-90 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PRKCSH 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-PRKCSH antibody	Primary Antibodies ; Angiogenesis ; Cardiovascular ; Cytokines ; Immunology ; Innate Immunity
References	1. Cornec-Le Gall, E., Torres, V. E., Harris, P. C. Genetic complexity of autosomal dominant polycystic kidney and liver diseases. J. Am. Soc. Nephrol. 29: 13-23, 2018.2. Drenth, J. P. H., te Morsche, R. H. M., Smink, R., Bonifacino, J. S., Jansen, J. B. M. J. Germline mutations in PRKCSH are associated with autosomal dominant polycystic liver disease. Nature Genet. 33: 345-348, 2003.3. Fedeles, S. V., Tian, X., Gallagher, A.-R., Mitobe, M., Nishio, S., Lee, S. H., Cai, Y., Geng, L., Crews, C. M., Somlo, S. A genetic interaction network of five genes for human polycystic kidney and liver diseases defines polycystin-1 as the central determinant of cyst formation. Nature Genet. 43: 639-647, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255891
NCBI GeneID	5589
NCBI Accession #	NP_001001329.1
NCBI GenBank Nucleotide #	NM_001001329.1
UniProt Accession #	P14314 ; Q96BU9 ; Q96D06 ; Q9P0W9 ; A8K318
Molecular Weight	59,425 Da
NCBI Official Full Name	glucosidase 2 subunit beta isoform 2
NCBI Official Synonym Full Names	protein kinase C substrate 80K-H
NCBI Official Symbol	PRKCSH
NCBI Official Synonym Symbols	PCLD; PLD1; G19P1; PKCSH; AGE-R2
NCBI Protein Information	glucosidase 2 subunit beta; hepatocystin; AGE-binding receptor 2; glucosidase II subunit beta; glucosidase II, beta subunit; protein kinase C substrate, 80 Kda protein; protein kinase C substrate 60.1 kDa protein heavy chain
UniProt Protein Name	Glucosidase 2 subunit beta
UniProt Gene Name	PRKCSH

UniProt Synonym Gene Names	G19P1; PKCSH
UniProt Entry Name	GLU2B_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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