10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PRKCSH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19155a

Specification

PRKCSH Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	P14314
Other Accession	Q28034, NP_002734.2
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**59425**
Antigen Region	**6-35**

PRKCSH Antibody (N-term) - Additional Information

Gene ID 5589

Other Names
Glucosidase 2 subunit beta, 80K-H protein, Glucosidase II subunit beta, Protein kinase C substrate 601 kDa protein heavy chain, PKCSH, PRKCSH, G19P1

Target/Specificity
This PRKCSH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 6-35 amino acids from the N-terminal region of human PRKCSH.

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
PRKCSH Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PRKCSH Antibody (N-term) - Protein Information

Name PRKCSH {ECO:0000303|PubMed:28375157, ECO:0000312|HGNC:HGNC:9411}

Function Regulatory subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glycoproteins (PubMed:10929008). Required for efficient PKD1/Polycystin-1 biogenesis and trafficking to the plasma membrane of the primary cilia (By similarity).

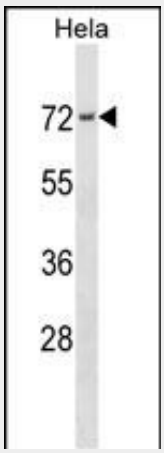
Cellular Location
Endoplasmic reticulum {ECO:0000255|PROSITE- ProRule:PRU10138, ECO:0000305|PubMed:10929008}

PRKCSH Antibody (N-term) - 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

PRKCSH Antibody (N-term) - Images



PRKCSH Antibody (N-term) (Cat. #AP19155a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the PRKCSH antibody detected the PRKCSH protein (arrow).

PRKCSH Antibody (N-term) - Background

This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum (ER). This protein is an acidic phospho-protein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease (PCLD). Alternatively spliced transcript variants encoding distinct isoforms have been observed.

PRKCSH Antibody (N-term) - References

Hoverfelt, A., et al. Diabetologia 53(9):1903-1907(2010)

Waanders, E., et al. Clin. Genet. 78(1):47-56(2010)
van Keimpema, L., et al. Liver Int. (2010) In press :
Yang, A.M., et al. Dig. Dis. Sci. 55(3):815-819(2010)
Gao, H., et al. Hum. Mol. Genet. 19(1):16-24(2010)