

PRKCSH Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP19155a

Specification

PRKCSH Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P14314](#)

PRKCSH Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRKCSH Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PRKCSH Antibody (N-term) Blocking Peptide - Images**PRKCSH Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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)