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PRKCSH Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19155a

Product Information

Application	WB, E
Primary Accession	P14314
Other Accession	Q28034, NP_002734.2
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39185
Calculated MW	59425
Antigen Region	6-35

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 E~~Use at an assay dependent concentration.
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.

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}

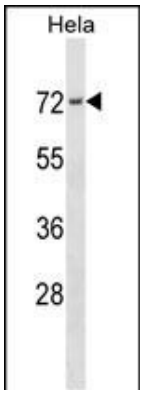
Background

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.

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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.