Product Name: **Glucosidase IIβ Rabbit Polyclonal Antibody**
Catalog #: **APRab11487**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	59kDa

Antigen Information

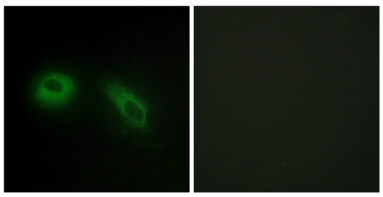
Gene Name	PRKCSH
Alternative Names	PRKCSH; G19P1; Glucosidase 2 subunit beta; 80K-H protein; Glucosidase II subunit beta; Protein kinase C substrate 60.1 kDa protein heavy chain; PKCSH
Gene ID	5589.0
SwissProt ID	P14314
Immunogen	The antiserum was produced against synthesized peptide derived from human GLU2B. AA range:81-130

Background

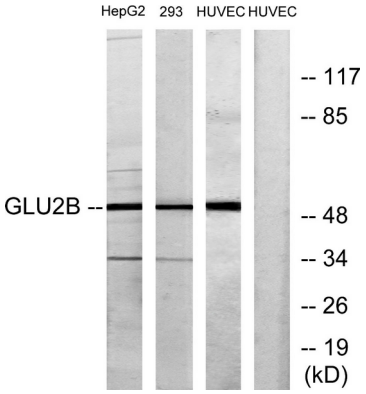
This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum. The encoded protein is an acidic phosphoprotein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014],disease:Defects in PRKCSH are a cause of polycystic liver disease (PCLD) [MIM:174050]. PCLD is an autosomal dominant disorder and is characterized by the presence of multiple liver cysts of biliary epithelial origin. PCLD is a distinct clinical and genetic entity that can occur independently from autosomal dominant polycystic kidney disease (ADPKD) [MIM:173900], which in a considerable but uncertain proportion of cases is associated with hepatic cysts.,function:Regulatory subunit of glucosidase II.,pathway:Glycan metabolism; N-glycan metabolism.,similarity:Contains 1 PRKCSH domain.,similarity:Contains 2 EF-hand domains.,subunit:Heterodimer of a catalytic alpha subunit (GANAB) and a beta subunit (PRKCSH). Binds glycosylated PTPRC.,

Research Area

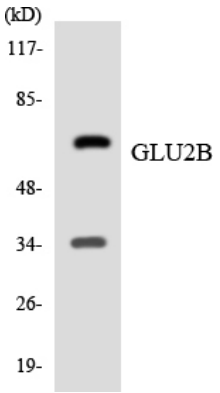
Image Data



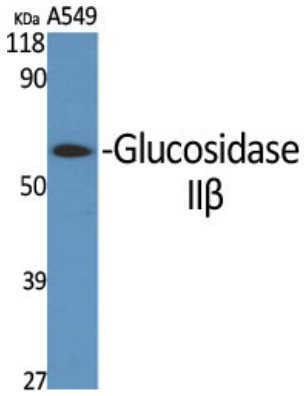
Immunofluorescence analysis of HeLa cells, using GLU2B Antibody. The picture on the right is blocked with the synthesized peptide.



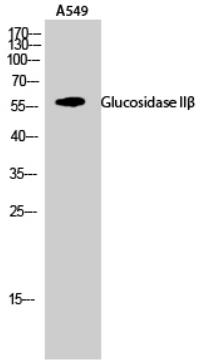
Western blot analysis of lysates from HepG2, 293, and HUVEC cells, using GLU2B Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using GLU2B antibody.



Western Blot analysis of various cells using Glucosidase IIβ Polyclonal Antibody



Western Blot analysis of A549 cells using Glucosidase IIβ Polyclonal Antibody