

**Product Name: Glucosidase II $\beta$  Rabbit Polyclonal Antibody**  
**Catalog #: APRab11487**

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## Summary

<b>Production Name</b>	Glucosidase II $\beta$ Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IF, WB, ELISA
<b>Reactivity</b>	Human, Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

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

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
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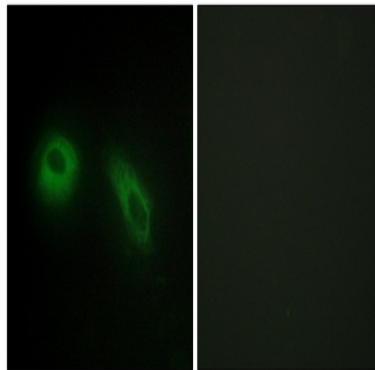
**Molecular Weight**      59kD

## 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.,

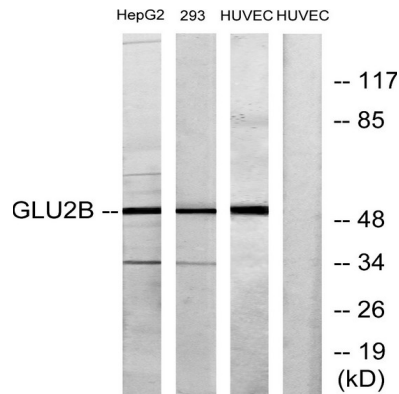
## Research Area

## Image Data

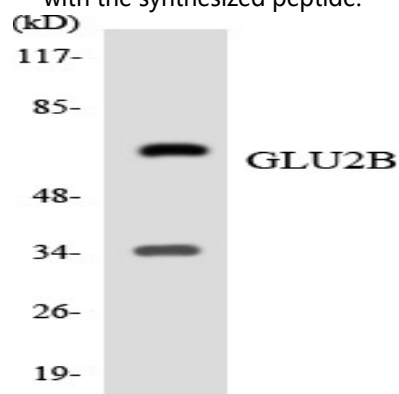


Immunofluorescence analysis of HeLa cells, using GLU2B Antibody. The picture on the right is blocked with the synthesized peptide.

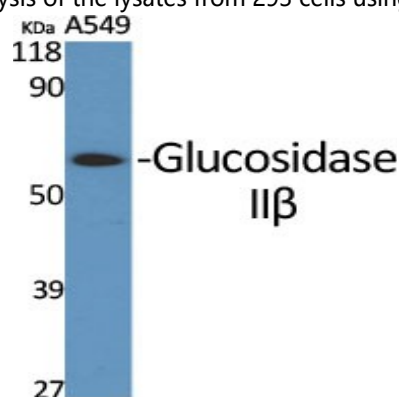
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Western blot analysis of lysates from HepG2, 293, and HUVEC cells, using GLU2B Antibody. The lane on the right is blocked with the synthesized peptide.



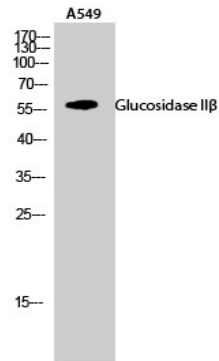
Western blot analysis of the lysates from 293 cells using GLU2B antibody.



Western Blot analysis of various cells using Glucosidase II $\beta$  Polyclonal Antibody

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Western Blot analysis of A549 cells using Glucosidase II $\beta$  Polyclonal Antibody

### **Note**

For research use only.