

Glucosidase II β Polyclonal Antibody

Catalog No :	YT1919
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	Glucosidase II β
Fields :	>>Protein processing in endoplasmic reticulum
Gene Name :	PRKCSH
Protein Name :	Glucosidase 2 subunit beta
Human Gene Id :	5589
Human Swiss Prot No :	P14314
Mouse Gene Id :	19089
Mouse Swiss Prot No :	O08795
Immunogen :	The antiserum was produced against synthesized peptide derived from human GLU2B. AA range:81-130
Specificity :	Glucosidase II β Polyclonal Antibody detects endogenous levels of Glucosidase II β protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 59kD

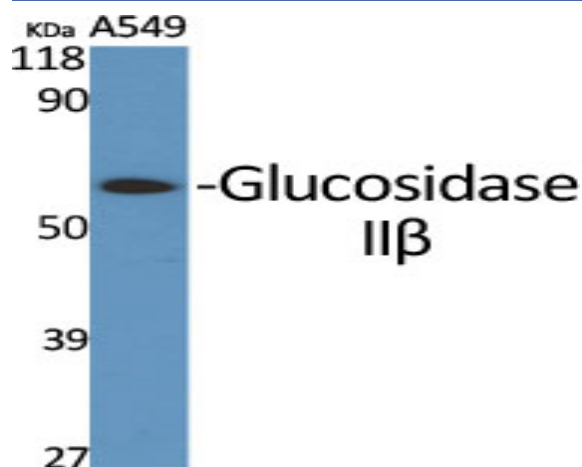
Background : This gene encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum. The encoded protein is an acidic phosphoprotein known to be a substrate for protein kinase C. Mutations in this gene have been associated with the autosomal dominant polycystic liver disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014],

Function : 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.,

Subcellular Location : Endoplasmic reticulum .

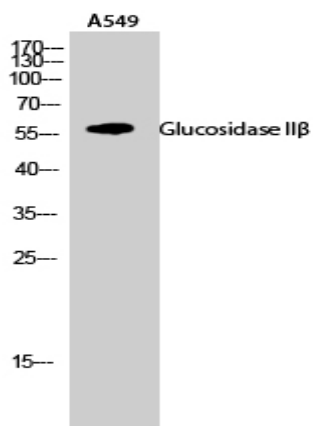
Expression : Lung,Lymphocyte,Platelet,

Products Images

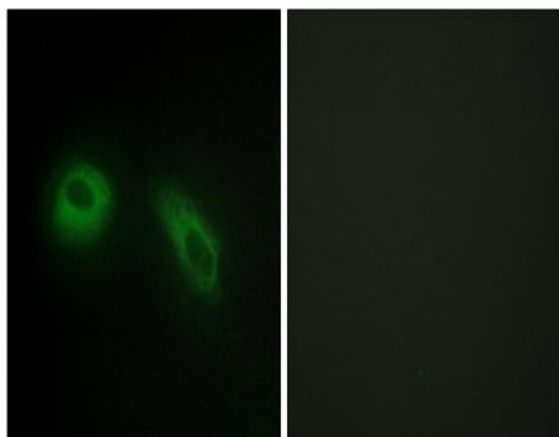


Western Blot analysis of various cells using Glucosidase II β Polyclonal Antibody

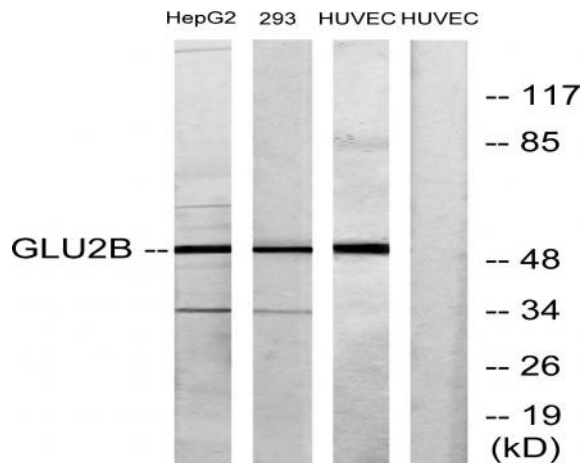
Western Blot analysis of A549 cells using Glucosidase II β Polyclonal Antibody

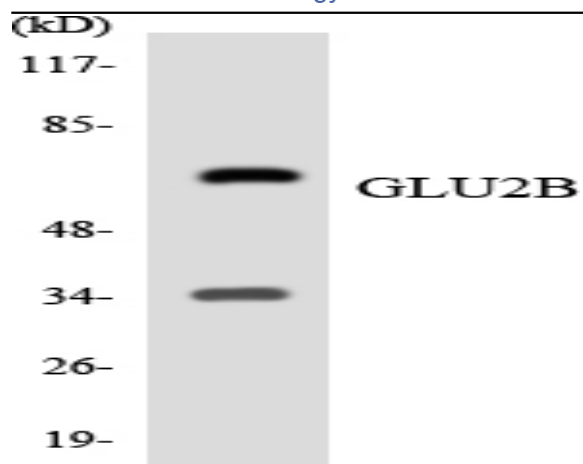


Immunofluorescence analysis of HeLa cells, using GLU2B Antibody. The picture on the right is blocked with the synthesized peptide.



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.