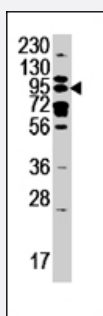


# GCS1 polyclonal antibody

Catalog # PAB4280

Size 400 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of GCS1 polyclonal antibody (Cat # PAB4280) in mouse liver tissue lysate (35 ug/lane). GCS1 (arrow) was detected using the purified GCS1 polyclonal antibody (Cat # PAB4280).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of GCS1.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human GCS1.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification
<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of GCS1 polyclonal antibody (Cat # PAB4280) in mouse liver tissue lysate (35 ug/lane). GCS1 (arrow) was detected using the purified GCS1 polyclonal antibody (Cat # PAB4280).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — GCS1

Entrez GeneID [7841](#)

Protein Accession# [GCS1\\_HUMAN](#)

Gene Name GCS1

Gene Alias -

Gene Description glucosidase I

Omim ID [601336 606056](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes the first enzyme in the N-linked oligosaccharide processing pathway. The enzyme cleaves the distal alpha-1,2-linked glucose residue from the Glc(3)-Man(9)-GlcNAc(2) oligosaccharide precursor. This protein is located in the lumen of the endoplasmic reticulum. Defects in this gene are a cause of type IIb congenital disorder of glycosylation (CDGIIb). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations** mannosyl-oligosaccharide glucosidase|processing A-glucosidase I

## Publication Reference

- [A novel disorder caused by defective biosynthesis of N-linked oligosaccharides due to glucosidase I deficiency.](#)

De Praeter CM, Gerwig GJ, Bause E, Nuytink LK, Vliegthart JF, Breuer W, Kamerling JP, Espeel MF, Martin JJ, De Paepe AM, Chan NW, Dacremont GA, Van Coster RN.

American Journal of Human Genetics 2000 Jun; 66(6):1744.

Application: WB-Ce, WB-Ti, Human, Liver, Fibroblast cells

- [Cloning and expression of glucosidase I from human hippocampus.](#)

Kalz-Fuller B, Bieberich E, Bause E.

European Journal of Biochemistry 1995 Jul; 231(2):344.

Application: IF, WB-Ti, WB-Tr, Human, Monkey, Pig, COS cells, Human hippocampus, Pig livers

## Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)