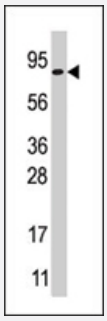
GCS1 polyclonal antibody

Catalog # PAB4279 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of GCS1 polyclonal antibody (Cat # PAB4279) in 293 cell line lysates (35 ug/lane). GCS1 (arrow) was detected using the purified GCS1 polyclonal antibody (Cat # PAB4279).

Specification

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

Applications

- Western Blot (Cell lysate)

  Western blot analysis of GCS1 polyclonal antibody (Cat # PAB4279) in 293 cell line lysates (35 ug/lane). GCS1 (arrow) was detected using the purified GCS1 polyclonal antibody (Cat # PAB4279).

- 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, Nuytinck LK, Vliegenthart 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