

GLB1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17547a

Specification

GLB1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P16278
Other Accession	Q60HF6 , NP_000395.2 , NP_001073279.1
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	76075
Antigen Region	81-109

GLB1 Antibody (N-term) - Additional Information

Gene ID 2720

Other Names

Beta-galactosidase, Acid beta-galactosidase, Lactase, Elastin receptor 1, GLB1, ELNR1

Target/Specificity

This GLB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-109 amino acids from the N-terminal region of human GLB1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GLB1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GLB1 Antibody (N-term) - Protein Information

Name GLB1

Synonyms ELNR1

Function [Isoform 1]: Cleaves beta-linked terminal galactosyl residues from gangliosides, glycoproteins, and glycosaminoglycans.

Cellular Location

[Isoform 1]: Lysosome

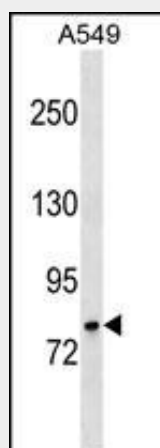
Tissue Location

Detected in placenta (at protein level) (PubMed:8383699). Detected in fibroblasts and testis (PubMed:2511208)

GLB1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLB1 Antibody (N-term) - Images

GLB1 Antibody (N-term) (Cat. #AP17547a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the GLB1 antibody detected the GLB1 protein (arrow).

GLB1 Antibody (N-term) - Background

This gene encodes beta-galactosidase-1, a lysosomal enzyme that hydrolyzes the terminal beta-galactose from ganglioside substrates and other glycoconjugates. Defects in this gene are the cause of GM1-gangliosidosis and Morquio B syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.

GLB1 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Dubois, P.C., et al. Nat. Genet. 42(4):295-302(2010)
Antonicelli, F., et al. Wound Repair Regen 17(5):631-638(2009)
Hofer, D., et al. Hum. Mutat. 30(8):1214-1221(2009)
Mayer, F.Q., et al. Mol. Genet. Metab. 96 (3), 148 (2009) :