

GLB1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17547a**Specification**

GLB1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P16278](#)

GLB1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2720

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GLB1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GLB1 Antibody (N-term) Blocking Peptide - Images

GLB1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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) :