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# GLA Antibody (N-term) Blocking Peptide
**Synthetic peptide**
**Catalog # BP6727a**

## Specification

### GLA Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P06280

### GLA Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 2717

**Other Names**
Alpha-galactosidase A, Alpha-D-galactosidase A, Alpha-D-galactoside galactohydrolase, Melibiase, Agalsidase, GLA

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP6727a>AP6727a</a> was selected from the N-term region of human GLA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

### GLA Antibody (N-term) Blocking Peptide - Protein Information

**Name** GLA (HGNC:4296)

**Function**
Catalyzes the hydrolysis of glycosphingolipids and participates in their degradation in the lysosome.

**Cellular Location**
Lysosome.

### GLA Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

**GLA Antibody (N-term) Blocking Peptide - Images**

**GLA Antibody (N-term) Blocking Peptide - Background**

GLA is a homodimeric glycoprotein that hydrolyses the terminal alpha-galactosyl moieties from glycolipids and glycoproteins. This enzyme predominantly hydrolyzes ceramide trihexoside, and it can catalyze the hydrolysis of melibiose into galactose and glucose. A variety of mutations in this gene affect the synthesis, processing, and stability of this enzyme, which causes Fabry disease, a rare lysosomal storage disorder that results from a failure to catabolize alpha-D-galactosyl glycolipid moieties.

**GLA Antibody (N-term) Blocking Peptide - References**

Mignani,R., Kidney Int. 75 (10), 1115-1116 (2009)Ioannou,Y.A., Biochem. J. 332 (PT 3), 789-797 (1998)