

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

GLA Antibody (N-term) Blocking Peptide - Product InformationPrimary 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 [AP6727a](/products/AP6727a) 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)