

GBE1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9506c**Specification**

GBE1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q04446](#)**GBE1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2632**Other Names**

4-alpha-glucan-branching enzyme, Brancher enzyme, Glycogen-branching enzyme, GBE1

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.

GBE1 Antibody (Center) Blocking Peptide - Protein Information**Name** GBE1**Function**

Required for normal glycogen accumulation (PubMed:8463281, PubMed:26199317, PubMed:8613547). The alpha 1-6 branches of glycogen play an important role in increasing the solubility of the molecule (Probable).

GBE1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GBE1 Antibody (Center) Blocking Peptide - Images**GBE1 Antibody (Center) Blocking Peptide - Background**

GBE1 is a glycogen branching enzyme that catalyzes the transfer of alpha-1,4-linked glucosyl units

from the outer end of a glycogen chain to an alpha-1,6 position on the same or a neighboring glycogen chain. Branching of the chains is essential to increase the solubility of the glycogen molecule and, consequently, in reducing the osmotic pressure within cells. Highest level of this enzyme are found in liver and muscle. Mutations in this gene are associated with glycogen storage disease IV (also known as Andersen's disease).

GBE1 Antibody (Center) Blocking Peptide - References

Konstantinidou, A.E., et al. Placenta 29(4):378-381(2008)Massa, R., et al. Muscle Nerve 37(4):530-536(2008)Bruno, C., et al. Acta Myol 26(1):75-78(2007)