

GCNT3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16849a

Specification

GCNT3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O95395](#)

GCNT3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9245

Other Names

Beta-1, 3-galactosyl-O-glycosyl-glycoprotein beta-1, 6-N-acetylglucosaminyltransferase 3, C2GnT-mucin type, C2GnT-M, hC2GnT-M, Core 2/core 4 beta-1, 6-N-acetylglucosaminyltransferase, C2/4GnT, GCNT3

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.

GCNT3 Antibody (N-term) Blocking Peptide - Protein Information

Name GCNT3

Function

Glycosyltransferase that can synthesize all known mucin beta 6 N-acetylglucosaminides. Mediates core 2 and core 4 O-glycan branching, 2 important steps in mucin-type biosynthesis. Has also I-branching enzyme activity by converting linear into branched poly-N- acetylglucosaminoglycans, leading to introduce the blood group I antigen during embryonic development.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Primarily expressed in mucus-secreting tissues. Expressed in colon, kidney, small intestine, trachea, and stomach, where mucin is produced.

GCNT3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GCNT3 Antibody (N-term) Blocking Peptide - Images

GCNT3 Antibody (N-term) Blocking Peptide - Background

This gene encodes a member of the N-acetylglucosaminyltransferase family. The encoded protein is a beta-6-N-acetylglucosamine-transferase that catalyzes the formation of core 2 and core 4 O-glycans on mucin-type glycoproteins.

GCNT3 Antibody (N-term) Blocking Peptide - References

Tan, S., et al. Am. J. Respir. Cell Mol. Biol. 36(6):737-745(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Huang, M.C., et al. Oncogene 25(23):3267-3276(2006) Beum, P.V., et al. Am. J. Respir. Cell Mol. Biol. 29(1):48-56(2003) Schwientek, T., et al. J. Biol. Chem. 274(8):4504-4512(1999)