

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

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**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- acetyllactosaminoglycans, 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)