

## GCNT3 Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP10975b

## **Specification**

## GCNT3 Antibody (C-term) Blocking peptide - Product Information

Primary Accession

095395

# GCNT3 Antibody (C-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 (C-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.

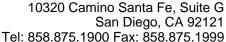
### **Cellular Location**

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 (C-term) Blocking peptide - Protocols





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

## • Blocking Peptides

GCNT3 Antibody (C-term) Blocking peptide - Images

# GCNT3 Antibody (C-term) Blocking peptide - Background

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

## GCNT3 Antibody (C-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)