

**GCNT2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18452c****Specification**

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**GCNT2 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q8N0V5](#)

**GCNT2 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 2651

**Other Names**

N-acetyllactosaminide beta-1, 6-N-acetylglucosaminyl-transferase, isoform A,  
N-acetylglucosaminyltransferase, I-branching enzyme, IGNT, GCNT2, GCNT5, II, NACGT1

**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.

**GCNT2 Antibody (Center) Blocking Peptide - Protein Information**

**Name** GCNT2

**Synonyms** GCNT5, II, NACGT1

**Function**

Branching enzyme that converts linear into branched poly-N- acetyllactosaminoglycans. Introduces the blood group I antigen during embryonic development. It is closely associated with the development and maturation of erythroid cells.

**Cellular Location**

Golgi apparatus membrane; Single- pass type II membrane protein

**Tissue Location**

[Isoform B]: Expressed in lens epithelium cells.

**GCNT2 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **GCNT2 Antibody (Center) Blocking Peptide - Images**

#### **GCNT2 Antibody (Center) Blocking Peptide - Background**

This gene encodes the enzyme responsible for formation of the blood group I antigen. The i and I antigens are distinguished by linear and branched poly-N-acetylglucosaminoglycans, respectively. The encoded protein is the I-branching enzyme,  $\alpha$ -1,6-N-acetylglucosaminyltransferase responsible for the conversion of fetal i antigen to adult I antigen in erythrocytes during embryonic development. Mutations in this gene have been associated with adult i blood group phenotype. Alternatively spliced transcript variants encoding different isoforms have been described.

#### **GCNT2 Antibody (Center) Blocking Peptide - References**

Twu, Y.C., et al. Blood 110(13):4526-4534(2007) Wang, L., et al. Biochem. Biophys. Res. Commun. 331(4):958-963(2005) Pras, E., et al. Invest. Ophthalmol. Vis. Sci. 45(6):1940-1945(2004) Inaba, N., et al. Blood 101(7):2870-2876(2003) Yu, L.C., et al. Blood 101(6):2081-2088(2003)