

**GALNT2 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9333a****Specification**

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**GALNT2 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q10471](#)**GALNT2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2590**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 2, Polypeptide GalNAc transferase 2, GalNAc-T2, pp-GaNTase 2, Protein-UDP acetylgalactosaminyltransferase 2, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 2, Polypeptide N-acetylgalactosaminyltransferase 2 soluble form, GALNT2

**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.

**GALNT2 Antibody (N-term) Blocking Peptide - Protein Information****Name** GALNT2**Function**

Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has a broad spectrum of substrates for peptides such as EA2, Muc5AC, Muc1a, Muc1b. Probably involved in O-linked glycosylation of the immunoglobulin A1 (IgA1) hinge region. Involved in O-linked glycosylation of APOC-III, ANGPTL3 and PLTP. It participates in the regulation of HDL-C metabolism (PubMed:<a href="http://www.uniprot.org/citations/27508872" target="\_blank">27508872</a>, PubMed:<a href="http://www.uniprot.org/citations/32293671" target="\_blank">32293671</a>).

**Cellular Location**

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Secreted. Note=Resides preferentially in the trans and medial parts of the Golgi stack. A secreted form also exists

**Tissue Location**

Detected in urine (at protein level) (PubMed:37453717). Widely expressed.

**GALNT2 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**GALNT2 Antibody (N-term) Blocking Peptide - Images****GALNT2 Antibody (N-term) Blocking Peptide - Background**

GALNT2 encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases.

**GALNT2 Antibody (N-term) Blocking Peptide - References**

Weissglas-Volkov,D. Circ Cardiovasc Genet 3 (1), 31-38 (2010)Hegele,R.A. Hum. Mol. Genet. 18 (21), 4189-4194 (2009)Nakayama,K. J. Med. Genet. 46 (6), 370-374 (2009)