10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GALNT2 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9333a

Specification

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:27508872, PubMed:32293671).

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.

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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)