

GALNT4 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10190a**Specification**

GALNT4 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q8N4A0](#)
Other Accession [NP_003765.2](#)

GALNT4 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 100528030;8693

Other Names

Polypeptide N-acetylgalactosaminyltransferase 4, Polypeptide GalNAc transferase 4, GalNAc-T4, pp-GaNTase 4, Protein-UDP acetylgalactosaminyltransferase 4, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 4, GALNT4

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.

GALNT4 Antibody (N-term) Blocking peptide - Protein Information

Name GALNT4

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 highest activity toward Muc7, EA2 and Muc2, with a lowest activity than GALNT2. Glycosylates 'Thr-57' of SELPLG.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Ubiquitous. Highly expressed in mucous cells.

GALNT4 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GALNT4 Antibody (N-term) Blocking peptide - Images

GALNT4 Antibody (N-term) Blocking peptide - Background

This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a lumenal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. In vitro, the encoded protein can complement other GalNAc-Ts in the complete O-glycosylation of the mucin-1 tandem repeat and can O-glycosylate the P-selectin glycoprotein ligand-1 molecule. The coding region of this gene is contained within a single exon.

GALNT4 Antibody (N-term) Blocking peptide - References

O'Halloran, A.M., et al. J. Thromb. Thrombolysis 27(2):175-184(2009)
Argueso, P., et al. Invest. Ophthalmol. Vis. Sci. 44(1):86-92(2003)
Hassan, H., et al. J. Biol. Chem. 275(49):38197-38205(2000)
Bennett, E.P., et al. J. Biol. Chem. 273(46):30472-30481(1998)
Bennett, E.P., et al. Glycobiology 8(6):547-555(1998)