

GALNT6 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16816b**Specification**

GALNT6 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8NCL4](#)**GALNT6 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 11226**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 6, Polypeptide GalNAc transferase 6, GalNAc-T6, pp-GaNTase 6, Protein-UDP acetylgalactosaminyltransferase 6, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 6, GALNT6

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.

GALNT6 Antibody (C-term) Blocking Peptide - Protein Information**Name** GALNT6**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 (PubMed:10464263, PubMed:31932717). May participate in synthesis of oncofetal fibronectin (PubMed:10464263). Has activity toward MUC1A, MUC2, EA2 and fibronectin peptides (PubMed:10464263). Glycosylates FGF23 (PubMed:31932717).

Cellular Location

Golgi apparatus membrane {ECO:0000250|UniProtKB:Q14435}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q14435}

Tissue Location

Expressed in placenta and trachea. Weakly expressed in brain and pancreas. Expressed in fibroblast. Weakly or not expressed in lung, liver, muscle, kidney, spleen, thymus, prostate, testis, ovary, intestine, colon, leukocyte, stomach, thyroid, spinal cord, lymph node, trachea, adrenal gland and bone marrow

GALNT6 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GALNT6 Antibody (C-term) Blocking Peptide - Images

GALNT6 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl galactosaminyltransferase (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 luminal 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. The encoded protein is capable of glycosylating fibronectin peptide in vitro and is expressed in a fibroblast cell line, indicating that it may be involved in the synthesis of oncofetal fibronectin.

GALNT6 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Gomes, J., et al. J. Histochem. Cytochem. 57(1):79-86(2009) Patani, N., et al. Cancer Genomics Proteomics 5(6):333-340(2008) Argueso, P., et al. Invest. Ophthalmol. Vis. Sci. 44(1):86-92(2003) Bennett, E.P., et al. J. Biol. Chem. 274(36):25362-25370(1999)