

GLT11 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18017a**Specification**

GLT11 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8NCW6](#)**GLT11 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 63917**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 11, Polypeptide GalNAc transferase 11, GalNAc-T11, pp-GaNTase 11, Protein-UDP acetylgalactosaminyltransferase 11, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 11, GALNT11

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.

GLT11 Antibody (N-term) Blocking Peptide - Protein Information**Name** GALNT11**Function**

Polypeptide N-acetylgalactosaminyltransferase that catalyzes the initiation of protein O-linked glycosylation and is involved in left/right asymmetry by mediating O-glycosylation of NOTCH1. O-glycosylation of NOTCH1 promotes activation of NOTCH1, modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO). Polypeptide N-acetylgalactosaminyltransferases catalyze the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Displays the same enzyme activity toward MUC1, MUC4, and EA2 than GALNT1. Not involved in glycosylation of erythropoietin (EPO).

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Highly expressed in kidney. Expressed at intermediate level in brain, heart and skeletal muscle. Weakly expressed other tissues. In kidney, it is strongly expressed in tubules but not expressed in glomeruli.

GLT11 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GLT11 Antibody (N-term) Blocking Peptide - Images**GLT11 Antibody (N-term) Blocking Peptide - Background**

GALNT11 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. Displays the same enzyme activity toward Muc1, Muc4.1, and EA2 than GALNT1. Does not appear to be involved in glycosylation of erythropoietin.

GLT11 Antibody (N-term) Blocking Peptide - References

Yuasa, I., et al. Leg Med (Tokyo) 12(4):208-211(2010) Schwientek, T., et al. J. Biol. Chem. 277(25):22623-22638(2002)