

GALNT7 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5702b**Specification**

GALNT7 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [Q86SF2](#)
Other Accession [NP_059119.2](#)

GALNT7 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 51809

Other Names

N-acetylgalactosaminyltransferase 7, 241-, Polypeptide GalNAc transferase 7, GalNAc-T7, pp-GaNTase 7, Protein-UDP acetylgalactosaminyltransferase 7, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 7, GALNT7

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.

GALNT7 Antibody (C-term) Blocking peptide - Protein Information

Name GALNT7

Function

Glycopeptide transferase involved in O-linked oligosaccharide biosynthesis, which catalyzes the transfer of an N-acetyl-D- galactosamine residue to an already glycosylated peptide. In contrast to other proteins of the family, it does not act as a peptide transferase that transfers GalNAc onto serine or threonine residue on the protein receptor, but instead requires the prior addition of a GalNAc on a peptide before adding additional GalNAc moieties. Some peptide transferase activity is however not excluded, considering that its appropriate peptide substrate may remain unidentified.

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

Widely expressed. Expressed in uterus, retina, kidney, small intestine, omentum, stomach and CNS

GALNT7 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

GALNT7 Antibody (C-term) Blocking peptide - Images

GALNT7 Antibody (C-term) Blocking peptide - Background

GALNT7 is GalNAc transferase 7, a member of the GalNAc-transferase family. The enzyme encoded by this gene controls the initiation step of mucin-type O-linked protein glycosylation and transfer of N-acetylgalactosamine to serine and threonine amino acid residues. This enzyme is a type II transmembrane protein and shares common sequence motifs with other family members. Unlike other family members, this enzyme shows exclusive specificity for partially GalNAc-glycosylated acceptor substrates and shows no activity with non-glycosylated peptides. This protein may function as a follow-up enzyme in the initiation step of O-glycosylation.

GALNT7 Antibody (C-term) Blocking peptide - References

Kahai, S., et al. PLoS ONE 4 (10), E7535 (2009) ; Bennett, E.P., et al. FEBS Lett. 460(2):226-230(1999)