

**GALNT10 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9502a****Specification**

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**GALNT10 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q86SR1](#)**GALNT10 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 55568**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 10, Polypeptide GalNAc transferase 10, GalNAc-T10, pp-GaNTase 10, Protein-UDP acetylgalactosaminyltransferase 10, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10, GALNT10

**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.

**GALNT10 Antibody (N-term) Blocking Peptide - Protein Information****Name** GALNT10**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 activity toward Muc5Ac and EA2 peptide substrates.

**Cellular Location**

Golgi apparatus membrane; Single-pass type II membrane protein

**Tissue Location**

Widely expressed. Expressed at high level in small intestine, and at intermediate levels in stomach, pancreas, ovary, thyroid gland and spleen. Weakly expressed in other tissues

**GALNT10 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **GALNT10 Antibody (N-term) Blocking Peptide - Images**

#### **GALNT10 Antibody (N-term) Blocking Peptide - Background**

GALNT10 is a member of the GalNAc polypeptide N-acetylgalactosaminyltransferases. These enzymes catalyze the first step in the synthesis of mucin-type oligosaccharides. These proteins transfer GalNAc from UDP-GalNAc to either serine or threonine residues of polypeptide acceptors. The protein may have increased catalytic activity toward glycosylated peptides compared to activity toward non-glycosylated peptides.

#### **GALNT10 Antibody (N-term) Blocking Peptide - References**

Perrine, C.L., et al. J. Biol. Chem. 284(30):20387-20397(2009)Raman, J., et al. J. Biol. Chem. 283(34):22942-22951(2008)Cheng, L., et al. FEBS Lett. 531(2):115-121(2002)