

GALNT3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9208c**Specification**

GALNT3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q14435](#)**GALNT3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2591**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 3, Polypeptide GalNAc transferase 3, GalNAc-T3, pp-GaNTase 3, Protein-UDP acetylgalactosaminyltransferase 3, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 3, GALNT3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9208c](/products/AP9208c) was selected from the Center region of human GALNT3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

GALNT3 Antibody (Center) Blocking Peptide - Protein Information**Name** GALNT3**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: [8663203](http://www.uniprot.org/citations/8663203), PubMed: [9295285](http://www.uniprot.org/citations/9295285), PubMed: [16638743](http://www.uniprot.org/citations/16638743), PubMed: [31932717](http://www.uniprot.org/citations/31932717)). Has activity toward HIV envelope glycoprotein gp120, EA2, MUC2, MUC1A and MUC5AC (PubMed: [8663203](http://www.uniprot.org/citations/8663203), PubMed: [9295285](http://www.uniprot.org/citations/9295285)). Probably glycosylates fibronectin in vivo (PubMed: [8663203](#)).

href="http://www.uniprot.org/citations/9295285" target="_blank">9295285). Glycosylates FGF23 (PubMed:16638743, PubMed:31932717).

Cellular Location

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Note=Resides preferentially in the trans and medial parts of the Golgi stack

Tissue Location

Expressed in organs that contain secretory epithelial glands. Highly expressed in pancreas, skin, kidney and testis. Weakly expressed in prostate, ovary, intestine and colon. Also expressed in placenta and lung and fetal lung and fetal kidney

GALNT3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GALNT3 Antibody (Center) Blocking Peptide - Images

GALNT3 Antibody (Center) Blocking Peptide - Background

GALNT3 encodes UDP-GalNAc transferase 3, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation is regulated by a repertoire of GalNAc-transferases. The protein is highly homologous to other family members, however the enzymes have different substrate specificities.

GALNT3 Antibody (Center) Blocking Peptide - References

Joseph,L., et.al., Skeletal Radiol. 39 (1), 63-68 (2010)Masi,L.,et.al., J Bone Joint Surg Am 91 (5), 1190-1198 (2009)Chefetz,I., et.al, Biochim. Biophys. Acta 1792 (1), 61-67 (2009)