

GALNT13 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18212c**Specification**

GALNT13 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8IUC8](#)**GALNT13 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 114805**Other Names**

Polypeptide N-acetylgalactosaminyltransferase 13, Polypeptide GalNAc transferase 13, GalNAc-T13, pp-GaNTase 13, Protein-UDP acetylgalactosaminyltransferase 13, UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 13, GALNT13, KIAA1918

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.

GALNT13 Antibody (Center) Blocking Peptide - Protein Information**Name** GALNT13**Synonyms** KIAA1918**Function**

Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine (GalNAc) residue from UDP-GalNAc to a serine or threonine residue on the protein receptor (PubMed:12407114, PubMed:22186971). Generates GalNAc-O-Ser/Thr structure also known as Tn antigen, which itself is immunogenic but also serves as a precursor for the synthesis of different mucin-type O- glycan core structures (PubMed:12407114). Contributes to the synthesis of O-linked glycans on mucins and proteoglycans of the central nervous system. May promote neurogenesis through glycosylation and stabilization of PDN (PubMed:12407114, PubMed:22186971) (By similarity).

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

Specifically expressed in neuronal cells. Expressed in fetal brain, whole adult brain, cerebral cortex and cerebellum. Not expressed in other tissues tested.

GALNT13 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GALNT13 Antibody (Center) Blocking Peptide - Images**GALNT13 Antibody (Center) Blocking Peptide - Background**

The GALNT13 protein is a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAcT; EC 2.4.1.41) family, which initiate O-linked glycosylation of mucins (see MUC3A, MIM158371) by the initial transfer of N-acetylgalactosamine (GalNAc) with an alpha-linkage to a serine or threonine residue. [supplied by OMIM].

GALNT13 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Ng, D., et al. Int. J. Cancer 123(7):1610-1615(2008) Lunetta, K.L., et al. BMC Med. Genet. 8 SUPPL 1, S13 (2007) :Hillier, L.W., et al. Nature 434(7034):724-731(2005) Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)