

B4GALNT1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18357c**Specification**

B4GALNT1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q00973](#)**B4GALNT1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 2583**Other Names**

Beta-1, 4 N-acetylgalactosaminyltransferase 1, (N-acetylneuraminy)-galactosylglucosylceramide, GM2/GD2 synthase, GalNAc-T, B4GALNT1, GALGT, SIAT2

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.

B4GALNT1 Antibody (Center) Blocking Peptide - Protein Information**Name** B4GALNT1 ([HGNC:4117](#))**Synonyms** GALGT, SIAT2**Function**

Involved in the biosynthesis of gangliosides GM2, GD2, GT2 and GA2 from GM3, GD3, GT3 and GA3, respectively.

Cellular Location

Golgi apparatus membrane {ECO:0000250|UniProtKB:Q10468}; Single-pass type II membrane protein

B4GALNT1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

B4GALNT1 Antibody (Center) Blocking Peptide - Images

B4GALNT1 Antibody (Center) Blocking Peptide - Background

GM2 and GD2 gangliosides are sialic acid-containing glycosphingolipids. GalNAc-T is the enzyme involved in the biosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-T catalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4 linkage, resulting in the synthesis of G(M2) and G(D2), respectively.

B4GALNT1 Antibody (Center) Blocking Peptide - References

Chen, L.C., et al. Lung Cancer 67(2):216-220(2010) Boraska, V., et al. Clin. Biochem. 42(9):819-822(2009) Gornati, R., et al. Mol. Cell. Biochem. 298 (1-2), 59-68 (2007) :Li, J., et al. J. Biol. Chem. 275(52):41476-41486(2000) Li, J., et al. J. Biol. Chem. 275(52):41476-41486(2000)