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B4GALNT1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18357c

Specification

B4GALNT1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q00973

B4GALNT1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 2583

Other Names
Beta-1, 4 N-acetylgalactosaminyltransferase 1, (N-acetylneuraminyl)-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

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B4GALNT1 Antibody (Center) Blocking Peptide - Background

GM2 and GD2 gangliosides are sialic acid-containingglycosphingolipids. GalNAc-T is the enzyme involved in thebiosynthesis of G(M2) and G(D2) glycosphingolipids. GalNAc-Tcatalyzes the transfer of GalNAc into G(M3) and G(D3) by a beta-1,4linkage, 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)