

B4GALNT3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13658c**Specification**

B4GALNT3 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q6L9W6](#)**B4GALNT3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 283358**Other Names**

Beta-1, 4-N-acetylgalactosaminyltransferase 3, B4GalNAcT3, Beta4GalNAc-T3, Beta4GalNAcT3, Beta-1, 4-N-acetylgalactosaminyltransferase III, N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2, NGalNAc-T2, B4GALNT3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13658c was selected from the Center region of B4GALNT3. 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.

B4GALNT3 Antibody (Center) Blocking peptide - Protein Information**Name** B4GALNT3**Function**

Transfers N-acetylgalactosamine (GalNAc) from UDP-GalNAc to N-acetylglucosamine-beta-benzyl with a beta-1,4-linkage to form N,N'- diacetyllactosediamine, GalNAc-beta-1,4-GlcNAc structures in N-linked glycans and probably O-linked glycans. Mediates the N,N'- diacetyllactosediamine formation on gastric mucosa.

Cellular Location

Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Note=Localizes to apical Golgi

Tissue Location

Highly expressed in testis, colon and stomach. Weakly expressed in other tissues.

B4GALNT3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

B4GALNT3 Antibody (Center) Blocking peptide - Images

B4GALNT3 Antibody (Center) Blocking peptide - Background

B4GALNT3 transfers N-acetylgalactosamine (GalNAc) ontoglucosyl residues to form N,N-prime-diacetyllactosediamine(LacdiNAc, or LDN), a unique terminal structure of cell surfaceN-glycans (Ikehara et al., 2006 [PubMed 16728562]).[supplied byOMIM].

B4GALNT3 Antibody (Center) Blocking peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Arking, D.E., et al. PLoS ONE 5 (3), E9879 (2010)
:Miller, E., et al. J. Biol. Chem. 283(4):1985-1991(2008)Huang, J., et al. Mol. Cancer Res. 5(6):543-552(2007)Ikehara, Y., et al. Glycobiology 16(9):777-785(2006)