

B3GAT1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9926a**Specification**

B3GAT1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9P2W7](#)**B3GAT1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 27087**Other Names**

Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1, Beta-1,
3-glucuronyltransferase 1, Glucuronosyltransferase P, GlcAT-P, UDP-GlcUA:glycoprotein beta-1,
3-glucuronyltransferase, GlcUAT-P, B3GAT1, GLCATP

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.

B3GAT1 Antibody (N-term) Blocking Peptide - Protein Information**Name** B3GAT1 ([HGNC:921](#))**Synonyms** GLCATP**Function**

Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearoyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group.

Cellular Location

[Isoform 1]: Golgi apparatus membrane {ECO:0000250|UniProtKB:O35789}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O35789}. Secreted {ECO:0000250|UniProtKB:O35789}

Tissue Location

Mainly expressed in the brain.

B3GAT1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

B3GAT1 Antibody (N-term) Blocking Peptide - Images

B3GAT1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7).

B3GAT1 Antibody (N-term) Blocking Peptide - References

Petrovas, C., et al. J. Immunol. 183(2):1120-1132(2009) Saito, A., et al. J. Hum. Genet. 54(6):317-323(2009) Chong, L.K., et al. Eur. J. Immunol. 38(4):995-1000(2008) Casado, J.G., et al. Tumour Biol. 29(5):304-310(2008)