

B3GAT1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9926a

Specification

B3GAT1 Antibody (N-term) - Product Information

Application	WB, FC, E
Primary Accession	O9P2W7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	38256
Antigen Region	21-48

B3GAT1 Antibody (N-term) - 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

Target/Specificity

This B3GAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-48 amino acids from the N-terminal region of human B3GAT1.

Dilution

WB~~1:1000
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

B3GAT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

B3GAT1 Antibody (N-term) - 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: stearyl-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

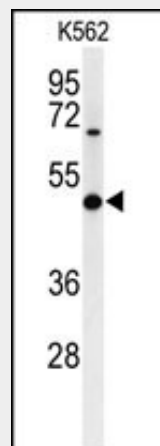
Mainly expressed in the brain.

B3GAT1 Antibody (N-term) - Protocols

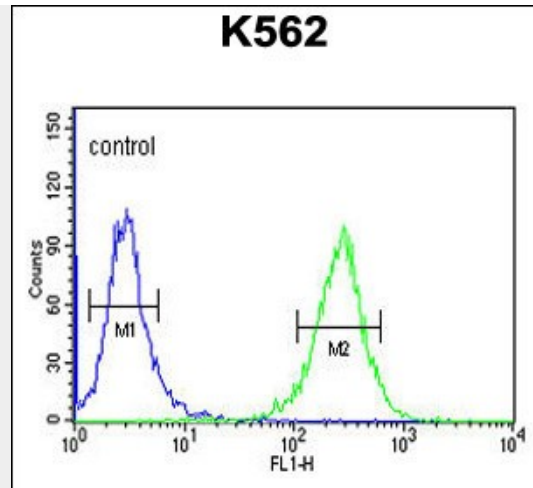
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

B3GAT1 Antibody (N-term) - Images



Western blot analysis of B3GAT1 Antibody (N-term) (Cat. #AP9926a) in K562 cell line lysates (35ug/lane). B3GAT1 (arrow) was detected using the purified Pab.



B3GAT1 Antibody (N-term) (Cat. #AP9926a) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

B3GAT1 Antibody (N-term) - 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) - 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)