

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	Q9P2W7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
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

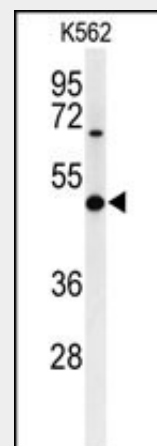
WB~~1:1000
FC~~1:10~50

Format

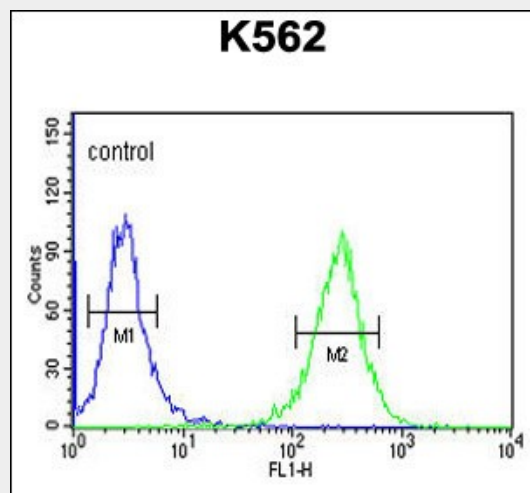
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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



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

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.

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)

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](#)