

B3GAT1 Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15384**Specification**

B3GAT1 Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9P2W7
Other Accession	NM_054025 , NP_473366
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa

B3GAT1 Antibody - N-terminal region - Additional Information**Gene ID** 27087**Alias Symbol** CD57, GLCATP, GLCUATP, HNK1, LEU7, NK-1, NK1**Other Names**

Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1, 2.4.1.135, Beta-1, 3-glucuronyltransferase 1, Glucuronosyltransferase P, GlcAT-P, UDP-GlcUA:glycoprotein beta-1, 3-glucuronyltransferase, GlcUAT-P, B3GAT1, GLCATP

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-B3GAT1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

B3GAT1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

B3GAT1 Antibody - N-terminal region - 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-orosomuroid (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

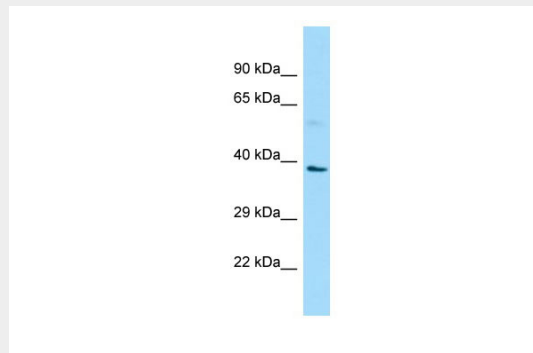
Mainly expressed in the brain.

B3GAT1 Antibody - N-terminal region - 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-terminal region - Images



WB Suggested Anti-B3GAT1 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Lung

B3GAT1 Antibody - N-terminal region - References

Mitsumoto Y., et al. Genomics 65:166-173(2000).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Kakuda S., et al. J. Biol. Chem. 279:22693-22703(2004).