

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

---

**B3GAT1 Antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O9P2W7</a>
Other Accession	<a href="#">NM_054025</a> , <a href="#">NP_473366</a>
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

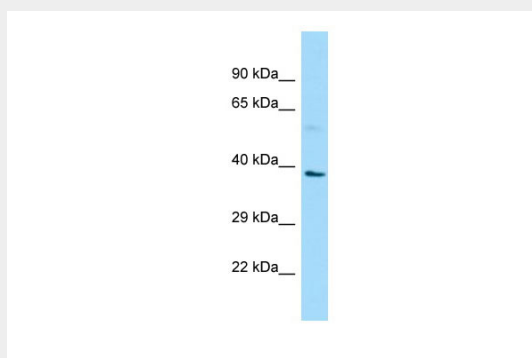
Mainly expressed in the brain.

### 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).