

# B3GAT1 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15384

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9P2W7</a>
<b>Other Accession</b>	<a href="#">NM_054025</a> , <a href="#">NP_473366</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	38256

## Additional Information

<b>Gene ID</b>	27087
<b>Alias Symbol</b>	CD57, GLCATP, GLCUATP, HNK1, LEU7, NK-1, NK1
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	B3GAT1 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	B3GAT1 ( <a href="#">HGNC:921</a> )
<b>Synonyms</b>	GLCATP
<b>Function</b>	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.

## References

---

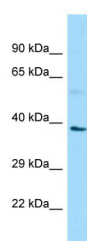
Mitsumoto Y.,et al.Genomics 65:166-173(2000).

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Kakuda S.,et al.J. Biol. Chem. 279:22693-22703(2004).

## Images

---



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.