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B3GAT1 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15384

Product Information

Application	WB
Primary Accession	Q9P2W7
Other Accession	NM_054025, NP_473366
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38256

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.

Protein Information

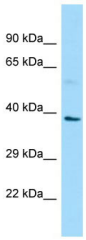
Name	B3GAT1 (HGNC:921)
Synonyms	GLCATP
Function	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo- fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: 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