

Anti-B3GAT1 Antibody

Catalog # AP95691

Product Information

Application	WB, FC
Primary Accession	Q9P2W7
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	38256

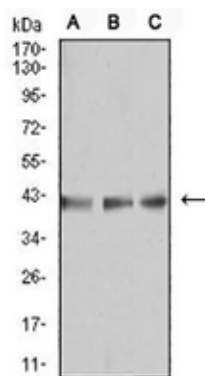
Additional Information

Gene ID	27087
Other Names	GLCATP; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; Beta-1, 3-glucuronyltransferase 1; Glucuronosyltransferase P; GlcAT-P; UDP-GlcUA:glycoprotein beta-1, 3-glucuronyltransferase; GlcUAT-P
Target/Specificity	Recombinant fusion protein of human B3GAT1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

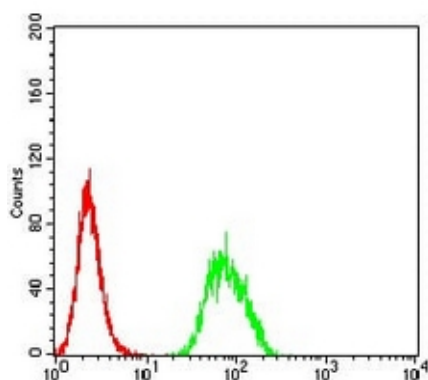
Protein Information

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: 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.

Images



Western blot analysis of B3GAT1 expression in MOLT4 (A), Raji (B), Ramos (C) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 41 kD)



Flow cytometric analysis of HeLa cells using Anti-B3GAT1 Antibody (green) and negative control (red).

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