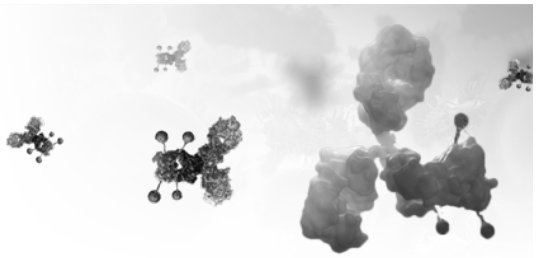

Anti-B3GAT1 (aa 27-57) polyclonal antibody (DPABH-13076)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Synthetic peptide corresponding to a region within N terminal amino acids 27-57 of Human CD57, conjugated to KLH.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µl
Buffer	Constituents: PBS
Preservative	0.09% Sodium Azide

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Storage	Store at 4°C (up to 6 months). For long term storage store at -20°C

GENE INFORMATION

Gene Name	B3GAT1 beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase P) [Homo sapiens]
Official Symbol	B3GAT1
Synonyms	B3GAT1; beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P); NK1; CD57; HNK1; LEU7; NK-1; GLCATP; GLCUATP; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; glcUAT-P; LEU7 antigen; glucuronosyltransferase P; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase;
Entrez Gene ID	27087
Protein Refseq	NP_061114.2
UniProt ID	Q9P2W7
Pathway	A tetrasaccharide linker sequence is required for GAG synthesis; Disease; Glycosaminoglycan metabolism; MPS I - Hurler syndrome
Function	UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase activity; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase activity; metal ion binding;

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