

For Research Use Only

B3GAT3 Polyclonal antibody, PBS Only

Catalog Number: 16586-1-PBS



Basic Information

Catalog Number: 16586-1-PBS	GenBank Accession Number: BC007906	Purification Method: Antigen affinity purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 26229	
Source: Rabbit	UNIPROT ID: O94766	
Isotype: IgG	Full Name: beta-1,3-glucuronyltransferase 3 (glucuronosyltransferase I)	
Immunogen Catalog Number: AG8362	Calculated MW: 335 aa, 37 kDa	
	Observed MW: 37-40 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

B3GAT3 (Beta-1,3-Glucuronyltransferase 3), also known as Glucuronosyltransferase I (GlcAT-I), is an enzyme encoded by the B3GAT3 gene. This enzyme belongs to the glycosyltransferase family and catalyzes the transfer of glucuronic acid (GlcA) from UDP-GlcA to the terminal galactose residue of the linkage region tetrasaccharide (GlcA-Gal-Gal-Xyl-) during the biosynthesis of proteoglycans. The addition of glucuronic acid is a critical step in forming the glycosaminoglycan-protein linkage region, which serves as the attachment site for heparan sulfate and chondroitin sulfate chains. Mutations in the B3GAT3 gene cause a rare autosomal recessive disorder known as linkeropathy or B3GAT3-related multiple joint dislocations.

Storage

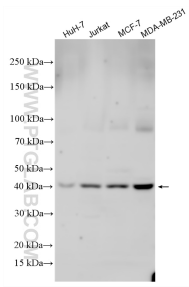
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16586-1-AP (B3GAT3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16586-1-PBS in a different storage buffer formulation.