

For Research Use Only

B3GAT3 Polyclonal antibody, PBS Only

Catalog Number: 16586-1-PBS



Basic Information

Catalog Number:

16586-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8362

GenBank Accession Number:

BC007906

GeneID (NCBI):

26229

UNIPROT ID:

O94766

Full Name:

beta-1,3-glucuronyltransferase 3
(glucuronosyltransferase I)

Calculated MW:

335 aa, 37 kDa

Observed MW:

37-40 kDa

Purification Method:

Antigen affinity purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

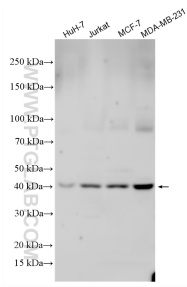
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.