

Product Name: β -1,3-Gal-TL Rabbit Polyclonal Antibody
Catalog #: APRab20341



Summary

Production Name	β -1,3-Gal-TL Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC, WB, ELISA
Reactivity	Human, Rat, Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	B3GALT1
Alternative Names	B3GALT1; B3GTL; Beta-1; 3-glucosyltransferase; Beta3Glc-T; Beta-3-glucosyltransferase-like
Gene ID	145173.0
SwissProt ID	Q6Y288. The antiserum was produced against synthesized peptide derived from human B3GALT1. AA range: 449-498

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
Molecular Weight	57kD

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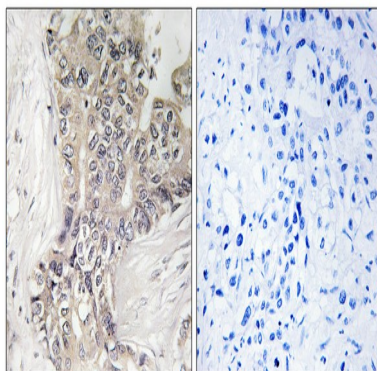


Background

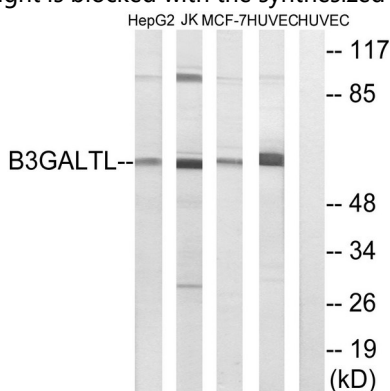
The protein encoded by this gene is a beta-1,3-glucosyltransferase that transfers glucose to O-linked fucosylglycans on thrombospondin type-1 repeats (TSRs) of several proteins. The encoded protein is a type II membrane protein. Defects in this gene are a cause of Peters-plus syndrome (PPS).[provided by RefSeq, Mar 2009],disease:Defects in B3GALTL are the cause of Peters-plus syndrome (PPS) [MIM:261540]. PPS is an autosomal recessive disorder characterized by anterior eye-chamber abnormalities, disproportionate short stature, developmental delay, characteristic craniofacial features, cleft lip and/or palate.,function:O-fucosyltransferase that transfers glucose toward fucose with a beta-1,3 linkage. Specifically glucosylates O-linked fucosylglycan on TSP type-1 domains of proteins, thereby contributing to elongation of O-fucosylglycan.,online information:GlycoGene database,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyltransferase 31 family.,tissue specificity:Widely expressed, with highest levels in testis and uterus.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue, using B3GALTL Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC, MCF-7, Jurkat, and HepG2 cells, using B3GALTL Antibody. The lane on the right

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is blocked with the synthesized peptide.



Western Blot analysis of various cells using β -1,3-Gal-TL Polyclonal Antibody diluted at 1 : 500. Secondary antibody was diluted at 1:20000

Note

For research use only.