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

For research use only.

Summary

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|----------------------|---------------------------------------------------------------------------------------------------|
| Description | Rabbit polyclonal Antibody |
| Host | Rabbit |
| Application | WB,IHC,ICC/IF,ELISA |
| Reactivity | Human,Rat,Mouse |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Concentration | 1mg/ml |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| Purification | Affinity purification |

Application

| | |
|-------------------------|-------------------------------------------------------------------------|
| Dilution Ratio | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000 |
| Molecular Weight | 57kDa |

Antigen Information

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|--------------------------|-----------------------------------------------------------------------------------------------------|
| Gene Name | B3GALTL |
| Alternative Names | B3GALTL; B3GTL; Beta-1; 3-glycosyltransferase; Beta3Glc-T; Beta-3-glycosyltransferase-like |
| Gene ID | 145173.0 |
| SwissProt ID | Q6Y288 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human B3GALTL. AA range:449-498 |

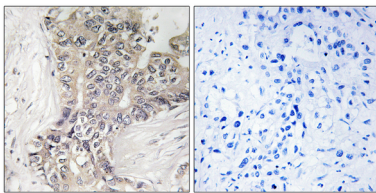
Background

The protein encoded by this gene is a beta-1,3-glycosyltransferase that transfers glucose to O-linked fucosylglycans on

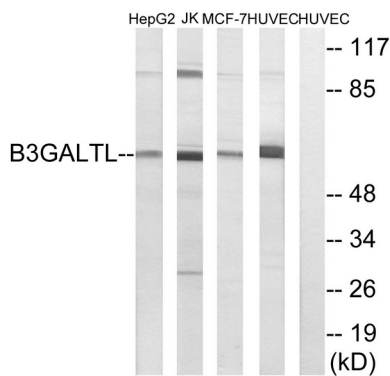
thrombospondin type-1 repeats (TSRs) of several proteins. The encoded protein is a type II membrane protein. Defects in this gene are a cause of Peters-plus syndrome (PPS).[provided by RefSeq, Mar 2009],disease:Defects in B3GALTL are the cause of Peters-plus syndrome (PPS) [MIM:261540]. PPS is an autosomal 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 glucosyltransferase 31 family.,tissue specificity:Widely expressed, with highest levels in testis and uterus.,

Research Area

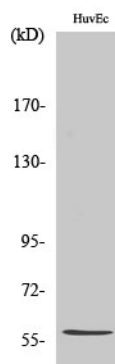
Image Data



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 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