Best Tools for immunology Research

β-1,3-Gal-TL Polyclonal Antibody

Catalog No :	YT5005
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	β-1,3-Gal-TL
Fields :	>>Other types of O-glycan biosynthesis
Gene Name :	B3GALTL
Protein Name :	Beta-1,3-glucosyltransferase
Human Gene Id :	145173
Human Swiss Prot No :	Q6Y288
Mouse Swiss Prot No :	Q8BHT6
Immunogen :	The antiserum was produced against synthesized peptide derived from human B3GALTL. AA range:449-498
Specificity :	β-1,3-Gal-TL Polyclonal Antibody detects endogenous levels of β-1,3-Gal-TL protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 57kD

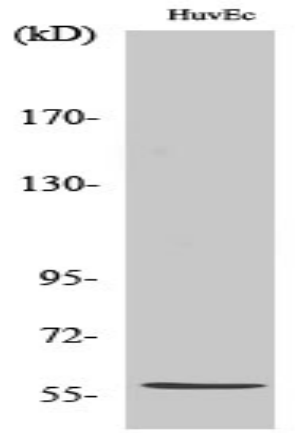
Background : The protein encoded by this gene is a beta-1,3-glucosyltransferase that transfers glucose to O-linked fucosylglycans on thrombospondin type-1 repeats (TSRs) of several proteins. The encoded protein is a type II membrane protein. Defects in this gene are a cause of Peters-plus syndrome (PPS).[provided by RefSeq, Mar 2009],

Function : 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.,

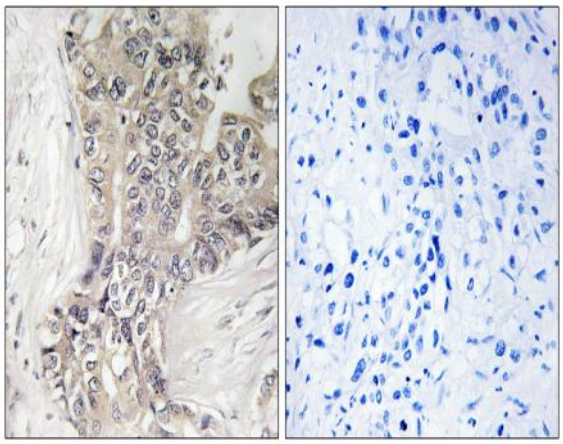
Subcellular Location : Endoplasmic reticulum membrane ; Single-pass type II membrane protein .

Expression : Widely expressed, with highest levels in testis and uterus.

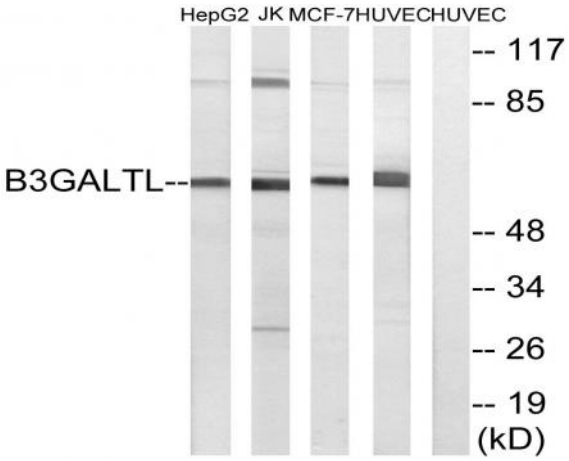
Products Images



Western Blot analysis of various cells using β-1,3-Gal-TL Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



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.