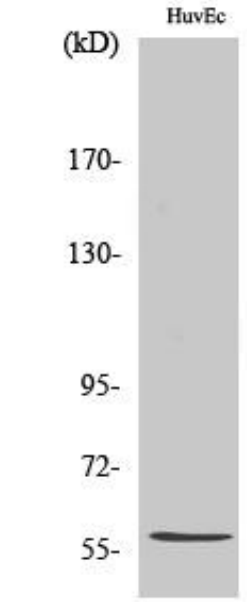
β-1,3-Gal-TL Polyclonal Antibody

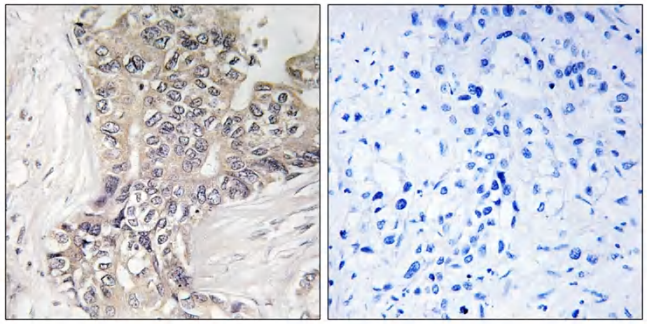
Catalog No	YP-Ab-04289
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	B3GALTL
Protein Name	Beta-1,3-glucosyltransferase
Immunogen	The antiserum was produced against synthesized peptide derived from human B3GALTL. AA range:449-498
Specificity	β-1,3-Gal-TL Polyclonal Antibody 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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	B3GALTL; B3GTL; Beta-1; 3-glucosyltransferase; Beta3Glc-T; Beta-3-glycosyltransferase-like
Observed Band	57kD
Cell Pathway	Endoplasmic reticulum membrane ; Single-pass type II membrane protein .
Tissue Specificity	Widely expressed, with highest levels in testis and uterus.
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

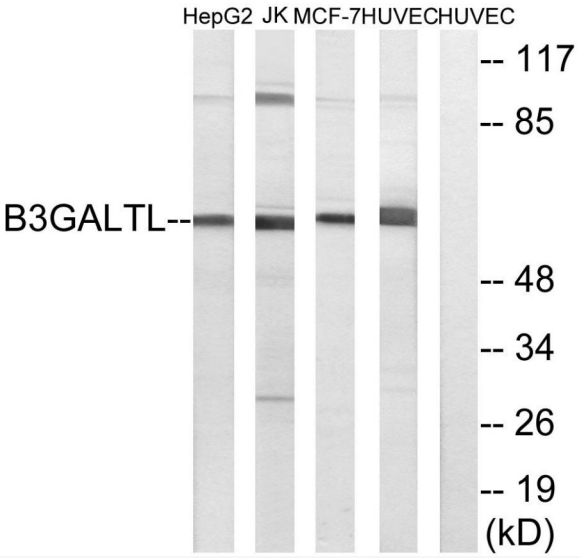
Products Images



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.