Best Tools for immunology Research

GPT rabbit pAb

Catalog No :	YN4210
Reactivity :	Human;Mouse
Applications :	WB
Target :	GPT
Fields :	>>N-Glycan biosynthesis;>>Metabolic pathways
Gene Name :	DPAGT1 DPAGT2
Protein Name :	GPT
Human Gene Id :	1798
Human Swiss Prot No :	Q9H3H5
Mouse Gene Id :	13478
Mouse Swiss Prot No :	P42867
Immunogen :	Synthesized peptide derived from human GPT AA range: 209-259
Specificity :	This antibody detects endogenous levels of GPT at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

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Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

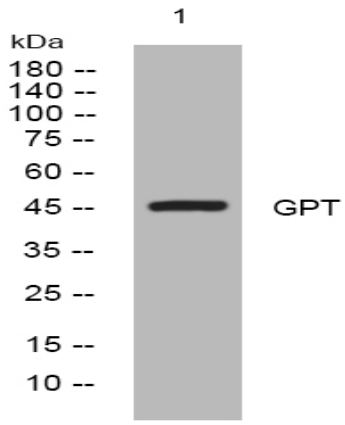
Molecularweight : 45kD

Background : The protein encoded by this gene is an enzyme that catalyzes the first step in the dolichol-linked oligosaccharide pathway for glycoprotein biosynthesis. This enzyme belongs to the glycosyltransferase family 4. This protein is an integral membrane protein of the endoplasmic reticulum. The congenital disorder of glycosylation type Ij is caused by mutation in the gene encoding this enzyme. [provided by RefSeq, Jul 2008],

Function : catalytic activity:UDP-N-acetyl-D-glucosamine + dolichyl phosphate = UMP + N-acetyl-D-glucosaminyl-diphosphodolichol.,disease:Defects in DPAGT1 are the cause of congenital disorder of glycosylation type 1J (CDG1J) [MIM:608093]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions.,function:Catalyzes the initial step in the synthesis of dolichol-P-P-oligosaccharides.,online information:GlycoGene database,

Subcellular Location : Endoplasmic reticulum membrane; Multi-pass membrane protein .

Products Images



Western blot analysis of lysates from HuvEc cells, primary antibody was diluted at 1:1000, 4°over night