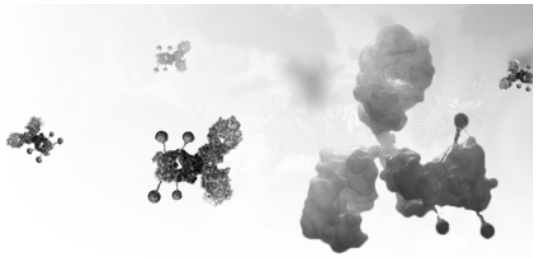

Mouse anti-Human DPAGT1 monoclonal antibody, clone 2H2 (CABT-B10127)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	DPAGT1 (NP_001373, 296 a.a. ~ 378 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2H2
Conjugate	Unconjugated
Applications	sELISA,ELISA
Sequence Similarities	IIPCPRHRIPRLNIKTGKLEMSYSKFKTKSLSFLGTFILKVAESLQLVTVHQSETEDGEF TECNNMTLINLLLKVLGPIHER*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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

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	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]
Keywords	DPAGT1; dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P transferase); GPT; ALG7; DGPT; G1PT; UAGT; UGAT; CDG1J; DPAGT; CDG-Ij; CMSTA2; DPAGT2; D11S366; UDP-N-acetylglucosamine--dolichyl-phosphate N-acetylglucosaminephosphotransferase; GlcNAc-1-P transferase; N-acetylglucosamine-1-phosphate transferase; dolichyl-phosphate alpha-N-acetylglucosaminyltransferase; UDP-GlcNAc:dolichyl-phosphate N-acetylglucosaminephosphotransferase; dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminephosphotransferase 1 (GlcNAc-1-P tra;

GENE INFORMATION

Entrez Gene ID	1798
UniProt ID	Q9H3H5
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Biosynthesis of the N-glycan precursor (dolichol lipid-linked oligosaccharide, LLO) and transfer to a nascent protein, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem
Function	UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase activity; UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase activity; UDP-N-acetylglucosamine-dolichyl-phosphate N-acetylglucosaminephosphotransferase activity; phospho-N-acetylmuramoyl-pentapeptide-transferase activity; transferase activity, transferring glycosyl groups

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