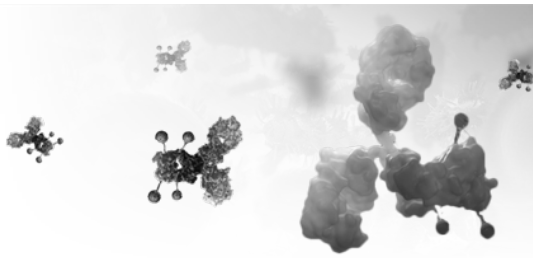

Mouse anti-Human ALG8 monoclonal antibody, clone 3F21 (CABT-B9750)

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

PRODUCT INFORMATION

Immunogen	ALG8 (NP_076984, 260 a.a. ~ 335 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	3F21
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	NQLPQVFSRLFPFKRGLCHAYWAPNFWALYNALDKVLSVIGLKLKFLDPNNIPKASMTSG LVQQFQHTVLPSVTP*
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	This gene encodes a member of the ALG6/ALG8 glucosyltransferase family. The encoded protein catalyzes the addition of the second glucose residue to the lipid-linked oligosaccharide

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	precursor for N-linked glycosylation of proteins. Mutations in this gene have been associated with congenital disorder of glycosylation type Ih (CDG-Ih). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
Keywords	ALG8; ALG8, alpha-1,3-glucosyltransferase; CDG1H; probable dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase; HUSSY-02; asparagine-linked glycosylation protein 8 homolog; dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichyl glucosyltransferase; dolichyl pyrophosphate Glc1Man9GlcNAc2 alpha-1,3-glucosyltransferase; asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog; dol-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichyl alpha-1,3-glucosyltransferase; dolichyl-P-glucose:Glc1Man9GlcNAc2-PP-dolichyl-alpha-1,3-glucosyltransferase; asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase); dolichyl-P-Glc:Glc(1)Man(9)GlcNAc(2)-PP-dolichol alpha- 1->3-glucosyltransferase; asparagine-linked glycosylation 8 homolog (S. cerevisiae, alpha-1,3-glucosyltransferase);

GENE INFORMATION

Entrez Gene ID	79053
UniProt ID	A6NDW6
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	alpha-1,3-mannosyltransferase activity; dolichyl-phosphate-glucose-glycolipid alpha-glucosyltransferase activity; transferase activity, transferring hexosyl groups

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