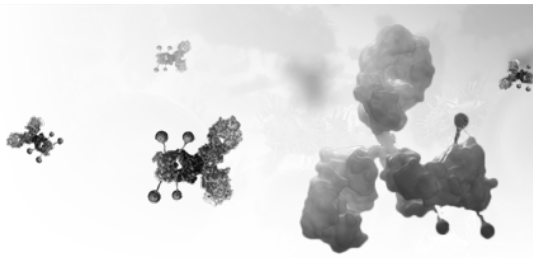

Mouse anti-Human ALG6 monoclonal antibody, clone 3H22 (CABT-B9749)

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

PRODUCT INFORMATION

Immunogen	ALG6 (NP_037471, 25 a.a. ~ 115 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	3H22
Conjugate	Unconjugated
Applications	WB,IF,ELISA
Sequence Similarities	SYSGAGKPPMFGDYEAQRHWQEITFNLPVKQWYFNSSDNNLQYWGLDYPPLTAYHSLLCAYVAKFINPDWIALHTSRGYESQAHKLFMRT*
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 first glucose residue to the growing lipid-linked

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	oligosaccharide precursor of N-linked glycosylation. Mutations in this gene are associated with congenital disorders of glycosylation type Ic. [provided by RefSeq, Jul 2008]
Keywords	ALG6; ALG6, alpha-1,3-glucosyltransferase; CDG1C; dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glucosyltransferase; asparagine-linked glycosylation protein 6 homolog; Man(9)GlcNAc(2)-PP-Dol alpha-1,3-glucosyltransferase; dolichyl-P-Glc:Man9GlcNAc2-PP-dolichylglucosyltransferase; dolichyl-P-Glc:Man9GlcNAc2-PP-dolichyl glucosyltransferase; dol-P-Glc:Man(9)GlcNAc(2)-PP-Dol alpha-1,3-glucosyltransferase; asparagine-linked glycosylation 6, alpha-1,3-glucosyltransferase homolog; dolichyl-P-Glc:Man(9)GlcNAc(2)-PP-dolichol alpha-1->3-glucosyltransferase; asparagine-linked glycosylation 6 homolog (yeast, alpha-1,3-glucosyltransferase); asparagine-linked glycosylation 6 homolog (S. cerevisiae, alpha-1,3-glucosyltransferase);

GENE INFORMATION

Entrez Gene ID	29929
UniProt ID	Q9Y672
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; GPCRs, Other, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem
Function	dolichyl-phosphate-glucose-glycolipid alpha-glucosyltransferase activity; glucosyltransferase activity

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