



Anti-ALG9 monoclonal antibody (DCABH-10495)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an alpha-1,2-mannosyltransferase enzyme that functions in lipid-linked oligosaccharide assembly. Mutations in this gene result in congenital disorder of glycosylation type II. Multiple transcript variants encoding different isoforms have been found for this gene.
Immunogen	A synthetic peptide of human ALG9 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ALG9 asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ALG9

Synonyms	ALG9; asparagine-linked glycosylation 9, alpha-1,2-mannosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 9 homolog (yeast, alpha 1,2 mannosyltransferase) , asparagine linked glycosylation 9, alpha 1,2 mannosyltransferase homolog (S. cerevisiae, alpha 1,2 mannosyltransferase) , DIBD1, disrupted in bipolar affective disorder 1; alpha-1,2-mannosyltransferase ALG9; disrupted in bipolar disorder protein 1; disrupted in bipolar affective disorder 1; asparagine-linked glycosylation protein 9 homolog; dol-P-Man:Man(6)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase; dol-P-Man:Man(8)GlcNAc(2)-PP-Dol alpha-1,2-mannosyltransferase; loss of heterozygosity, 11, chromosomal region 1 gene J product; asparagine-linked glycosylation 9 homolog (yeast, alpha- 1,2-mannosyltransferase); asparagine-linked glycosylation 9 homolog (S. cerevisiae, alpha- 1,2-mannosyltransferase); CDG1L; DIBD1; LOH11CR1J; FLJ21845; DKFZp586M2420;
Entrez Gene ID	79796
Protein Refseq	NP_079016
UniProt ID	Q9H6U8
Chromosome Location	11q23
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; N-glycan precursor biosynthesis, organism-specific biosystem;
Function	transferase activity, transferring glycosyl groups;