



Anti-ALG6 (aa 25-114) polyclonal antibody (DPAB-DC1520)

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

PRODUCT INFORMATION

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| Antigen Description | 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 oligosaccharide precursor of N-linked glycosylation. Mutations in this gene are associated with congenital disorders of glycosylation type Ic. |
| Immunogen | ALG6 (NP_037471, 25 a.a. ~ 114 a.a) partial recombinant protein with GST tag. The sequence is SYSGAGKPPMFGDYEQRHWQEITFNLPVKQWYFNSSDNNLQYWGLDYPPLTAYHSLLCA YVAKFINPDWIALHTSRGYESQAHKLFMRT |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | ALG6 ALG6, alpha-1,3-glucosyltransferase [Homo sapiens (human)] |
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| Official Symbol | ALG6 |
| Synonyms | 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 (<i>S. cerevisiae</i> , alpha-1,3-glucosyltransferase); |
| Entrez Gene ID | 29929 |
| Protein Refseq | NP_037471 |
| UniProt ID | Q9Y672 |
| Chromosome Location | 1p31.3 |
| Pathway | Asparagine N-linked glycosylation; GPCRs, Other; N-Glycan biosynthesis; N-glycan precursor biosynthesis |
| Function | glucosyltransferase activity; |
