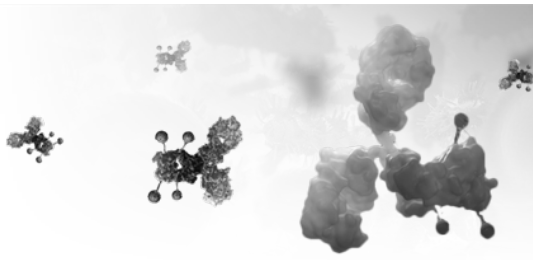

# Anti-ALG5 monoclonal antibody (DCABH-10494)

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

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | This gene encodes a member of the glycosyltransferase 2 family. The encoded protein participates in glucosylation of the oligomannose core in N-linked glycosylation of proteins. The addition of glucose residues to the oligomannose core is necessary to ensure substrate recognition, and therefore, effectual transfer of the oligomannose core to the nascent glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene. |
| **Immunogen** | A synthetic peptide of human ALG5 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. |

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# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | ALG5 asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (S. cerevisiae) [ Homo sapiens ] |
| **Official Symbol** | ALG5 |
| **Synonyms** | ALG5; asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (S. cerevisiae); asparagine linked glycosylation 5 homolog (yeast, dolichyl phosphate beta glucosyltransferase); dolichyl-phosphate beta-glucosyltransferase; bA421P11.2; dolP-glucosyltransferase; Alg5, S. cerevisiae, homolog of; dolichyl phosphate glucosyltransferase; asparagine-linked glycosylation protein 5 homolog; asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase); asparagine-linked glycosylation 5 homolog (S. cerevisiae, dolichyl-phosphate beta-glucosyltransferase); RP11-421P11.2; |
| **Entrez Gene ID** | 29880 |
| **Protein Refseq** | NP_001135836 |
| **UniProt ID** | Q9Y673 |
| **Chromosome Location** | 13q13.1 |
| **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; Post-translational protein modification, organism-specific biosystem; |
| **Function** | dolichyl-phosphate beta-glucosyltransferase activity; oligosaccharyl transferase activity; transferase activity, transferring glycosyl groups; |

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