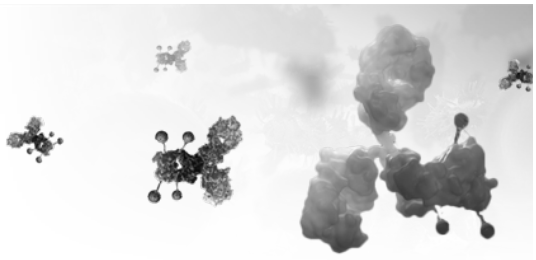

Anti-ALG5 (aa 232-324) polyclonal antibody (DPAB-DC1515)

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	ALG5 (NP_037470, 232 a.a. ~ 324 a.a) partial recombinant protein with GST tag. The sequence is RDTQCGFKLFTREAASRTFSSLHVERWAFDVELLYIAQFFKIPIAEIAVNWTEIEGSKLV PFWSWLQMGKDLLFIRLRYLTGAWRLEQTRKMN
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	ALG5 ALG5, dolichyl-phosphate beta-glucosyltransferase [Homo sapiens (human)]
Official Symbol	ALG5
Synonyms	ALG5; ALG5, dolichyl-phosphate beta-glucosyltransferase; bA421P11.2; dolichyl-phosphate beta-glucosyltransferase; dolP-glucosyltransferase; Alg5, S. cerevisiae, homolog of; dolichyl phosphate glucosyltransferase; asparagine-linked glycosylation protein 5 homolog; asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog; asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase); asparagine-linked glycosylation 5 homolog (S. cerevisiae, dolichyl-phosphate beta-glucosyltransferase);
Entrez Gene ID	29880
Protein Refseq	NP_001135836
UniProt ID	Q9Y673
Chromosome Location	13q13.3
Pathway	Asparagine N-linked glycosylation; Metabolism of proteins; N-Glycan biosynthesis; N-glycan precursor biosynthesis
Function	dolichyl-phosphate beta-glucosyltransferase activity; oligosaccharyl transferase activity;

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