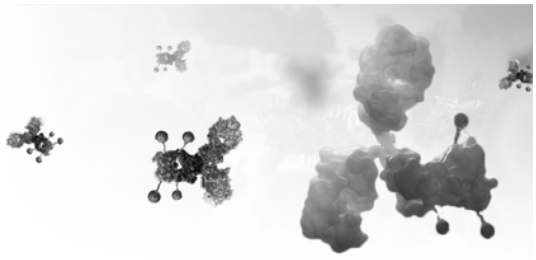

Anti-DPM1 monoclonal antibody (DCABH-11320)

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

PRODUCT INFORMATION

Antigen Description	Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the lumenal side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expression of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosphate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. Human DPM1 lacks a carboxy-terminal transmembrane domain and signal sequence and is regulated by DPM2.
Immunogen	A synthetic peptide of human DPM1 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

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Gene Name	DPM1 dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit [Homo sapiens]
Official Symbol	DPM1
Synonyms	DPM1; dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit; dolichol-phosphate mannosyltransferase; CDGIE; MPDS; DPM synthase; MPD synthase; mannose-P-dolichol synthase; dolichol-phosphate mannose synthase; dolichol monophosphate mannose synthase; dolichyl-phosphate beta-D-mannosyltransferase;
Entrez Gene ID	8813
Protein Refseq	NP_003850
UniProt ID	O60762
Chromosome Location	20q13.1
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 modification: synthesis of GPI-anchored proteins, organism-specific bio
Function	alcohol binding; dolichyl-phosphate beta-D-mannosyltransferase activity; dolichyl-phosphate-mannose-protein mannosyltransferase activity; mannose binding; protein binding; transferase activity, transferring glycosyl groups;

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