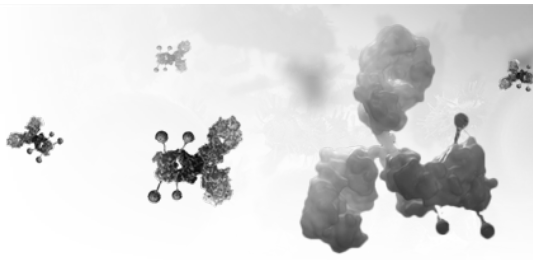

Human DPM2 blocking peptide (CDBP1043)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-DPM2 antibody
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. The protein encoded by this gene is a hydrophobic protein that contains 2 predicted transmembrane domains and a putative ER localization signal near the C terminus. This protein associates with DPM1 in vivo and is required for the ER localization and stable expression of DPM1 and also enhances the binding of dolichol-phosphate to DPM1.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	DPM2 dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit [Homo sapiens]
Official Symbol	DPM2

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Synonyms	DPM2; dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit; dolichol phosphate-mannose biosynthesis regulatory protein; MGC21559; MGC111193; dolichol phosphate-mannose synthase 2; FLJ80013;
Entrez Gene ID	8818
mRNA Refseq	NM_003863
Protein Refseq	NP_003854
UniProt ID	O94777
Chromosome Location	9q34.13
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; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem; Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, org
Function	contributes_to dolichyl-phosphate beta-D-mannosyltransferase activity; protein binding;

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