



Mouse DPM2 blocking peptide (CDBP1042)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Dpm2 (mouse) antibody
Antigen Description	Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the luminal 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	Mouse
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 dolichol-phosphate (beta-D) mannosyltransferase 2 [Mus musculus]
Official Symbol	DPM2

Synonyms	DPM2; dolichol-phosphate (beta-D) mannosyltransferase 2; dolichol phosphate-mannose biosynthesis regulatory protein; R75484; AW557993;
Entrez Gene ID	13481
mRNA Refseq	NM_010073
Protein Refseq	NP_034203
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	dolichyl-phosphate beta-D-mannosyltransferase activity; enzyme regulator activity; protein binding; transferase activity; transferase activity, transferring glycosyl groups;