

KD-Validated Anti-DDOST Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2038

Product Information

Application	WB, FC
Primary Accession	P39656
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB8240
Calculated MW	50801
Gene Name	DDOST
Aliases	DDOST; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase Non-Catalytic Subunit; OST48; KIAA0115; WBP1; OST; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase 48 KDa Subunit; Advanced Glycation End-Product Receptor 1; Oligosaccharyl Transferase 48 KDa Subunit; Oligosaccharyltransferase Subunit 48; Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase Subunit (Non-Catalytic); Dolichyl-Diphosphooligosaccharide-Protein Glycosyltransferase; Dolichyl-Diphosphooligosaccharide-Protein Glycotransferase; Advanced Glycation Endproduct Receptor 1; Oligosaccharyltransferase 48 KDa Subunit; DDOST 48 KDa Subunit; EC 2.4.1.119; OKSWcl45; AGER1; CDG1R; GATD6
Immunogen	Recombinant protein of human DDOST

Additional Information

Gene ID	1650
Other Names	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit, DDOST 48 kDa subunit, Oligosaccharyl transferase 48 kDa subunit, DDOST (HGNC:2728), KIAA0115, OST48

Protein Information

Name	DDOST (HGNC:2728)
Synonyms	KIAA0115, OST48
Function	Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol- pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation (PubMed: 31831667). N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation

across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity (By similarity). Required for the assembly of both SST3A- and SS3B-containing OST complexes (PubMed:[22467853](#)).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q29381};
Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q29381}

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