DDOST Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDOST, Polyclonal Antibody
Full Product Name	DDOST (Dolichyl-diphosphooligosaccharide-Protein Glycosyltransferase 48kD Subunit, Oligosaccharyl Transferase 48kD Subunit, DDOST 48kD Subu
Product Gene Name	anti-DDOST antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human DDOST.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
OMIM	602202
3D Structure	ModBase 3D Structure for P39656
Immunogen	Full length human DDOST, aa1-456 (NP_005207.2).
Immunogen Sequence	MGYFRCAGAGSFGRRRKMEPSTAARAWALFWLLLPLLGAVCASGPRTLVLLDNLNVRETHSLFFRSLKDRGFELTFKTADDPSLSLIKYGEFLYDNLIIFSI
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-DDOST antibody	Antibodies; Enzymes; Glycosyltransferase
Applications Tested/Suitable for anti-DDOST antibody	Western Blot (WB)
Application Notes for anti-DDOST antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DDOST antibody	DDOST encodes a component of the oligosaccharyltransferase complex which catalyzes the transfer of high-mannose oligosaccharides to asparagine
Other Notes	Small volumes of anti-DDOST antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for DDOST purchase	MBS6375872 is an antibody targeting DDOST. Also known as DDOST (Dolichyl-diphosphooligosaccharide-Protein Glycosyltransferase 48kD Subunit,

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDOST. It may not necessarily be applicable to this product.

NCBI GI #	20070197
NCBI GeneID	1650
NCBI Accession #	NP_005207.2
UniProt Primary Accession #	P39656
UniProt Secondary Accession #	O43244; Q5VWA5; Q8NI93; Q9BUI2; B2RDQ4; B4DJE3; B4DLI2
UniProt Related Accession #	P39656
GenBank Nucleotide #	NM_005216.4
NCBI Official Full Name	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
NCBI Official Synonym Full Names	dolichyl-diphosphooligosaccharide--protein glycosyltransferase non-catalytic subunit
NCBI Official Symbol	DDOST
NCBI Official Synonym Symbols	OST; WBP1; AGER1; CDG1R; GATD6; OST48; OKSWcl45
UniProt Protein Name	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
Protein Family	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase
UniProt Gene Name	DDOST
UniProt Synonym Gene Names	KIAA0115; OST48; DDOST 48 kDa subunit; Oligosaccharyl transferase 48 kDa subunit
UniProt Entry Name	OST48_HUMAN
NCBI Protein Information	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
NCBI Summary for DDOST	This gene encodes a component of the oligosaccharyltransferase complex which catalyzes the transfer of high-mannose oligosaccharides to asparagine residues on nascent polypeptides in the lumen of the rough endoplasmic reticulum. The protein complex co-purifies with ribosomes. The product of this gene is also implicated in the processing of advanced glycation endproducts (AGEs), which form from non-enzymatic reactions between sugars and proteins or lipids and are associated with aging and hyperglycemia. [provided by RefSeq, Jul 2008]
Research Articles on DDOST	**1.** DDOST and SIRT1 are differently expressed in peripheral blood mononuclear cells from type 1 diabetes patients with and without microvascular complications. Their expression is also influenced by dietary advanced glycation end-products and by statins and angiotensin receptor blockers.
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