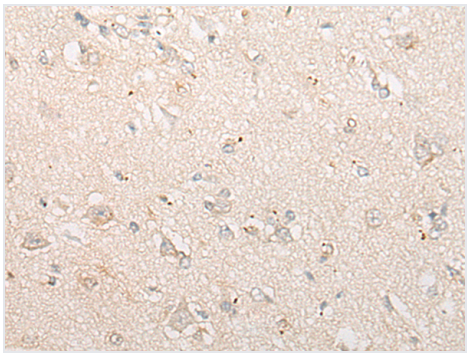
DDOST Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDOST, Polyclonal Antibody
Full Product Name	DDOST Antibody
Product Gene Name	anti-DDOST antibody
Product Synonym Names	OST; WBP1; AGER1; CDG1R; OST48; OKSWcl45
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	In pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Concentration	0.5mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total DDOST protein.
Preparation and Storage	Store at -20 degree C.
Molecular Weight	51 kDa
OMIM	D89060 Genomic DNA
3D Structure	ModBase 3D Structure for P39656
Immunogen	Fusion protein of human DDOST
Immunogen Type	Protein
Product Categories/Family for anti-DDOST antibody	Total protein Ab
Applications Tested/Suitable for anti-DDOST antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-DDOST antibody	WB:1:200-1000 IF: 1: 25-100
Related Product Information for anti-DDOST antibody	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.
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 necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DDOST purchase	MBS9429986 is an antibody targeting DDOST. Also known as DDOST Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-DDOST antibody
The image is immunohistochemistry of paraffin-embedded Human brain tissue using 46991(CRISP1 Antibody) at dilution 1/20. (Original magnification: 200)

ADDITIONAL DETAILS

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

NCBI GI #	33876905
NCBI GeneID	1650
NCBI Accession #	BC002594
UniProt Primary Accession #	P39656
UniProt Secondary Accession #	O43244; Q5VWA5; Q8NI93; Q9BUI2; B2RDQ4; B4DJE3; B4DLI2
UniProt Related Accession #	P39656
NCBI Official Full Name	Homo sapiens dolichyl-diphosphooligosaccharide-protein glycosyltransferase, mRNA
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
NCBI Protein Information	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
UniProt Comments for DDOST	Essential subunit of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. Required for the assembly of both SST3A- and SS3B-containing OST complexes. Required for efficient N-glycosylation.
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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