

Product Name: KD-Validated DDOST Mouse Monoclonal Antibody**Catalog #: KVA00535**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 50.8kDa

Antigen Information

Gene Name	DDOST 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-
Alternative Names	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
Gene ID	1650.0

SwissProt ID P39656
Immunogen Recombinant protein of human DDOST

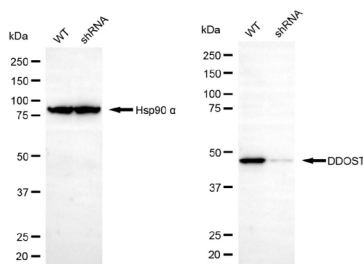
Background

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]

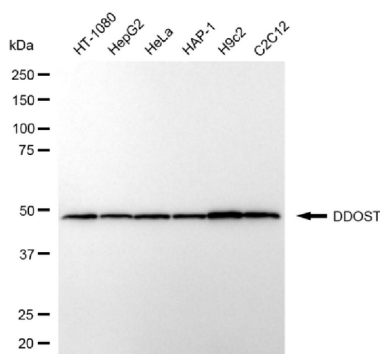
Research Area

Tags & Cell Markers

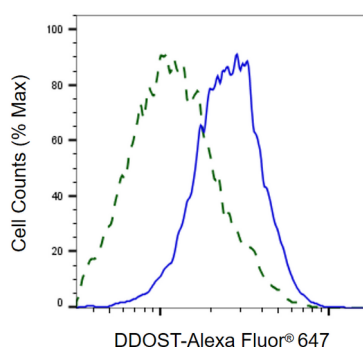
Image Data



Western blotting analysis using DDOST antibody (KVA00535). DDOST expression in wild-type (WT) and DDOST shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with DDOST antibody (KVA00535, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using DDOST antibody (KVA00535). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with DDOST antibody (KVA00535, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Validation of DDOST knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with DDOST antibody (KVA00535, 1:2,000) and analyzed using BD flow cytometer.

