

Rabbit anti-Human DDOST Polyclonal Antibody | anti-DDOST antibody

Anti-DDOST Antibody, Rabbit Polyclonal

CATALOG # AAA255578	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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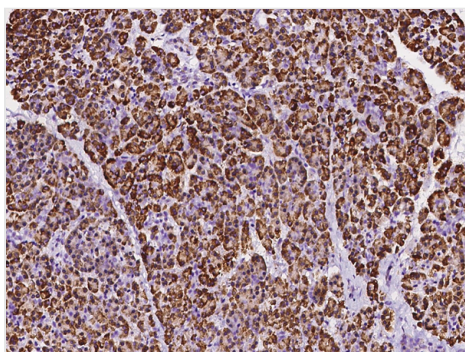
PRODUCT SYNONYMS

DDOST; Polyclonal Antibody; Anti-DDOST Antibody; Rabbit Polyclonal; DDOST Antibody; Rabbit PAb; Antigen Affinity Purified; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit (non-catalytic); Anti-AGER1 Antibody; Anti-CDG1R Antibody; Anti-OKSWcl45 Antibody; Anti-OST Antibody; Anti-OST48 Antibody; Anti-WBP1 Antibody; anti-DDOST antibody

PRODUCT SPECIFICATIONS

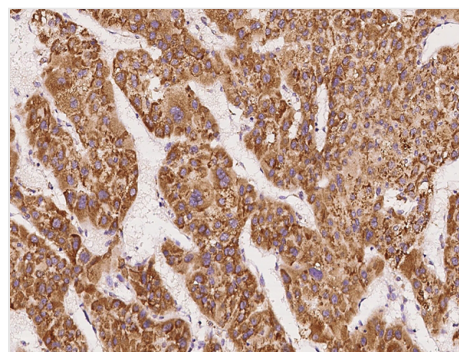
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DDOST
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DDOST antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human DDOST Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human DDOST (rh DDOST). DDOST specific IgG was purified by Human DDOST affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human DDOST in human pancreas with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human DDOST in human hepatoma with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-DDOST antibody	The enzyme oligosaccharyltransferase (dolichyl-diphosphooligosaccharide-protein glycosyltransferase) (DDOST), or 48-kDa subunit (OST48) is one of the catalytic subunits in this complex, exerts a typical type I membrane topology, containing a large luminal domain, a hydrophobic transmembrane domain and a short cytosolic peptide tail. DDOST/OST48 catalyzes the transfer of a high-mannose oligosaccharide (GlcNac2Man9Glc3) from a dolichol-linked oligosaccharide donor (dolichol-P-GlcNac2Man9Glc3) onto the asparagine acceptor site within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains across the membrane of the endoplasmic reticulum. The mammalian oligosaccharyltransferase (OST) is an oligomeric complex composed of three type I transmembrane proteins of the endoplasmic reticulum: ribophorin I (RI), ribophorin II (RII), and OST48. OST48 is not a glycoprotein and is not recognized by antibodies to either ribophorin. Like ribophorins I and II, OST48 was found to be an integral membrane protein, with the majority of the polypeptide located within the lumen of the endoplasmic reticulum (ER). OST48 does not show significant amino acid sequence homology to either ribophorin I or II. It had been found that only the luminal domain of RI contains ER retention information. The dilysine motif in OST48 functions as an ER localization motif because OST48 in which the two lysine residues are replaced by serine (OST48ss) is no longer retained in the ER and is found instead also at the plasma membrane.
References	Silberstein S, et al. (1992) The 48-kDa subunit of the mammalian oligosaccharyltransferase complex is homologous to the essential yeast protein WBP1. J Biol Chem. 267(33): 23658-63.Fu J, et al. (1997) Interactions among subunits of the oligosaccharyltransferase complex. J Biol Chem. 272(47): 29687-92.Yamagata T, et al. (1997) Genomics. Genome organization of human 48-kDa oligosaccharyltransferase (DDOST). 45(3): 535-40.Fu J, et al. (2000) Retention of subunits of the oligosaccharyltransferase complex in the endoplasmic reticulum. J Biol Chem. 275(6): 3984-90.Hardt B, et al. (2001) Analysis of structural signals conferring localisation of pig OST48 to the endoplasmic reticulum. Biol Chem. 382(7): 1039-47.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070197
NCBI GeneID	1650
NCBI Accession #	NP_005207
NCBI GenBank Nucleotide #	NM_005216
UniProt Accession #	P39656; O43244; Q5VWA5; Q8NI93; Q9BUI2; B2RDQ4; B4DJE3; B4DLI2
Molecular Weight	49,020 Da
NCBI Official Full Name	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
NCBI Official Synonym Full Names	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit (non-catalytic)
NCBI Official Symbol	DDOST
NCBI Official Synonym Symbols	OST; WBP1; AGER1; CDG1R; OST48; OKSWcl45
NCBI Protein Information	dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit; advanced glycation endproduct receptor 1; dolichyl-diphosphooligosaccharide-protein glycotransferase; oligosaccharyl transferase 48 kDa subunit; oligosaccharyltransferase 48 kD
UniProt Protein Name	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit
UniProt Gene Name	DDOST
UniProt Synonym Gene Names	KIAA0115; OST48; DDOST 48 kDa subunit; Oligosaccharyl transferase 48 kDa subunit
UniProt Entry Name	OST48_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.