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# Product datasheet for TA803618S

## DDOST Mouse Monoclonal Antibody [Clone ID: OTI2H2]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | OTI2H2 |
| **Applications:** | IHC, WB |
| **Recommended Dilution:** | WB 1:500, IHC 1:150 |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Mouse |
| **Isotype:** | IgG1 |
| **Clonality:** | Monoclonal |
| **Immunogen:** | Human recombinant protein fragment corresponding to amino acids 131-378 of human DDOST (NP_005207) produced in E.coli. |
| **Formulation:** | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | 46.1 kDa |
| **Gene Name:** | dolichyl-diphosphooligosaccharide--protein glycosyltransferase non-catalytic subunit |
| **Database Link:** | NP_005207<br>Entrez Gene 13200 MouseEntrez Gene 313648 RatEntrez Gene 1650 Human<br>P39656 |

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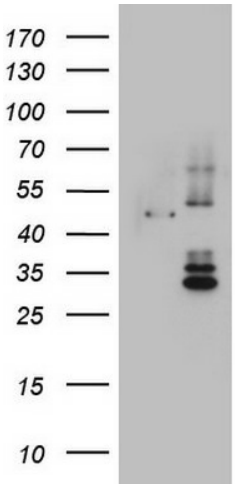
**Background:** This gene encodes a component of the oligosaccharyltransferase complex which catalyzes the transfer of high-mannose oligosaccharides to asparagine residues on nascent polypeptides in the lumen of the rough endoplasmic reticulum. The protein complex co-purifies with ribosomes. The product 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]

**Synonyms:** AGER1; CDG1R; OKSWcl45; OST; OST48; WBP1

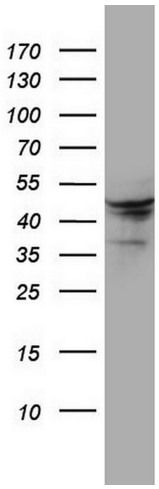
**Protein Families:** Transmembrane

**Protein Pathways:** Metabolic pathways, N-Glycan biosynthesis

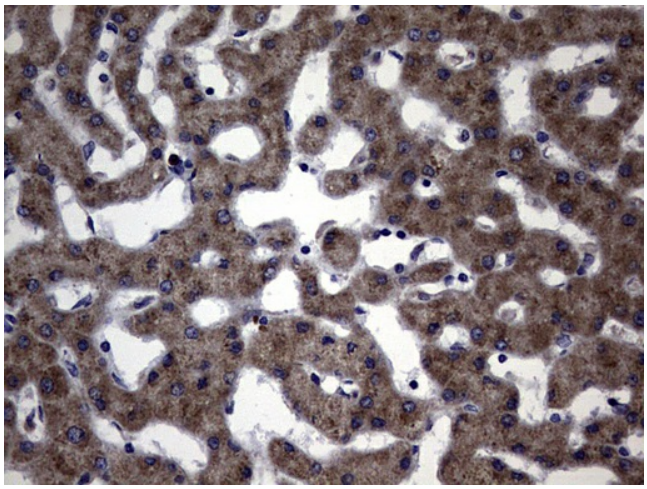
## Product images:



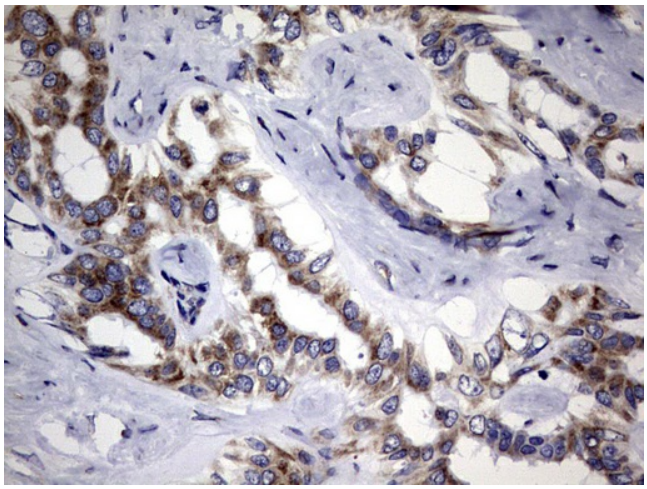

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DDOST ([RC200672], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DDOST. Positive lysates [LY417440] (100ug) and [LC417440] (20ug) can be purchased separately from OriGene.



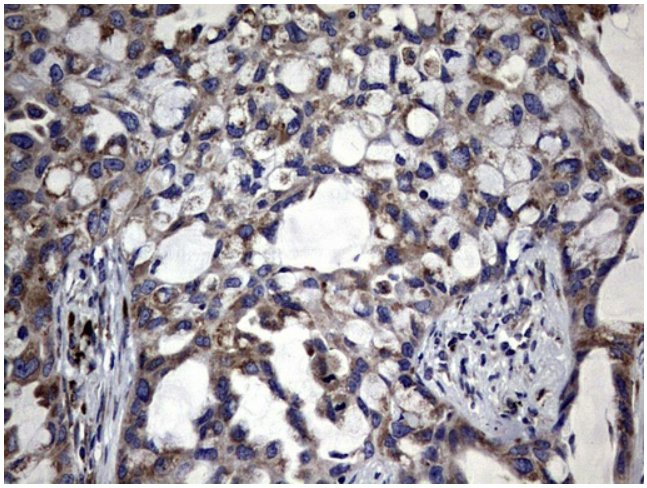

Western blot analysis of A549 cell lysate (35ug) by using anti-DDOST monoclonal antibody. Dilution: 1:500



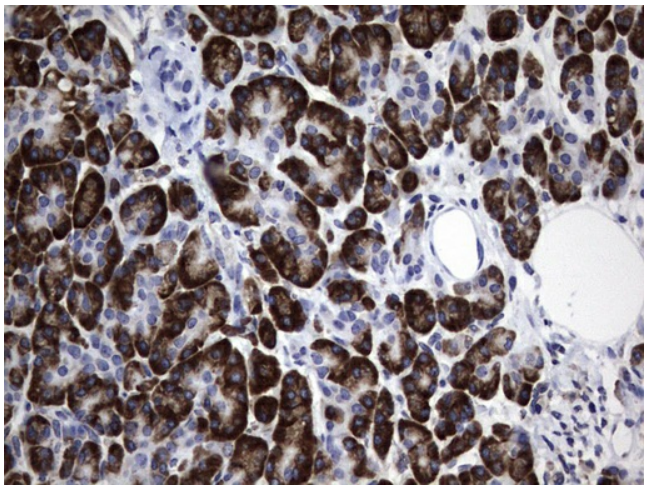
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DDOST mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min, [TA803618])



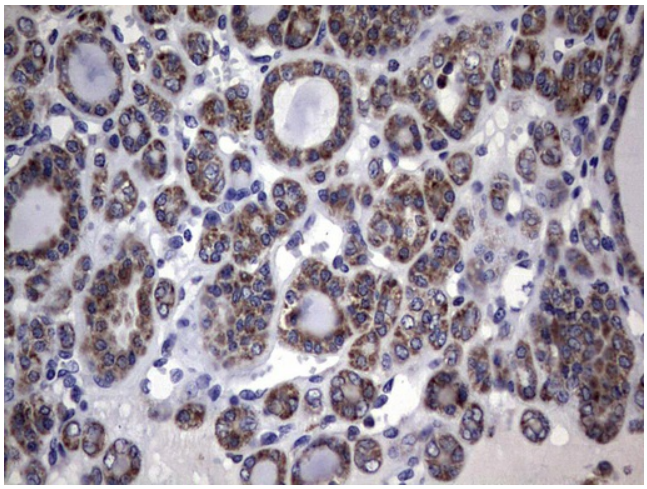
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-DDOST mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min, [TA803618])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-DDOST mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min, [TA803618])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DDOST mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min, [TA803618])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-DDOST mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH9.0, 120°C for 3min, [TA803618])