

For Research Use Only

# DDOST Polyclonal antibody, PBS Only

Catalog Number: 14916-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

14916-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6727

**GenBank Accession Number:**

BC002594

**GeneID (NCBI):**

1650

**UNIPROT ID:**

P39656

**Full Name:**

dolichyl-diphosphooligosaccharide-protein glycosyltransferase

**Calculated MW:**

49 kDa

**Observed MW:**

48 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

DDOST (Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit), also known as OST48, is an integral membrane protein and a core component of the oligosaccharyltransferase (OST) complex located in the endoplasmic reticulum (ER). It plays a critical role in the transfer of pre-assembled oligosaccharide chains to asparagine residues of nascent polypeptides, a fundamental process known as N-linked protein glycosylation. Beyond its enzymatic function, DDOST contributes to protein folding quality control, endoplasmic reticulum-associated degradation (ERAD), and the unfolded protein response (UPR). Altered expression of DDOST has been implicated in cancer progression, metastasis, and chemoresistance.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

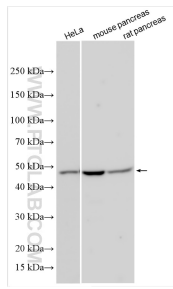
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

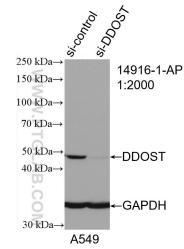
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

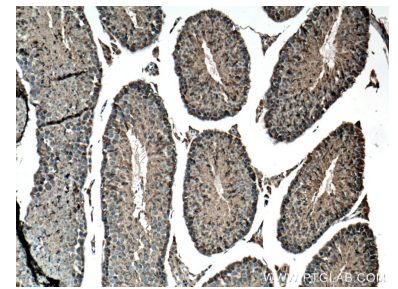
## Selected Validation Data



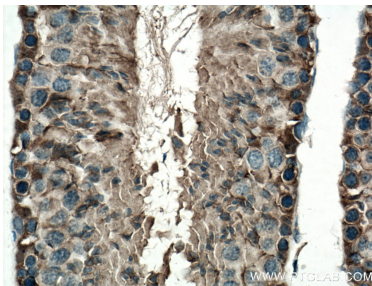
Various lysates were subjected to SDS PAGE followed by western blot with 14916-1-AP (DDOST antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.



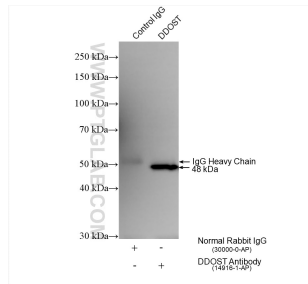
WB result of DDOST antibody (14916-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDOST transfected A549 cells. This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 14916-1-AP (DDOST antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 14916-1-AP (DDOST antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.



IP result of anti-DDOST (IP:14916-1-AP, 4ug; Detection:14916-1-AP 1:1000) with mouse pancreas tissue lysate 3200 ug. This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.