

For Research Use Only

DDOST Polyclonal antibody, PBS Only

Catalog Number:14916-1-PBS

Featured Product



Basic Information

Catalog Number:

14916-1-PBS

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

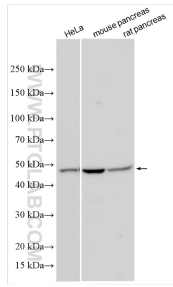
T: 4006900926

E: Proteintech-CN@ptglab.com

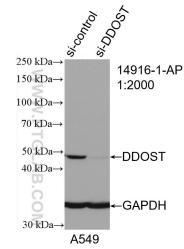
W: ptgcn.com

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

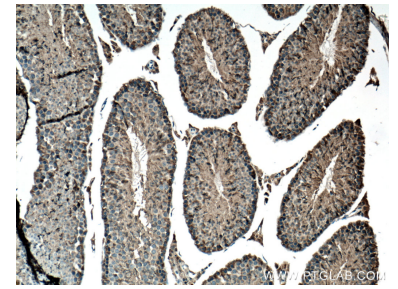
Selected Validation Data



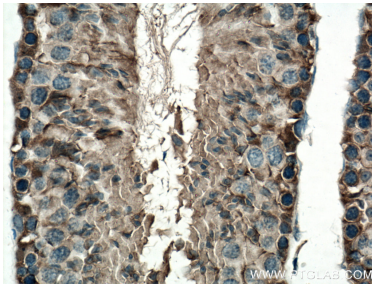
Various lysates were subjected to SDS PAGE followed by western blot with 14916-1-AP (DDOST antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.



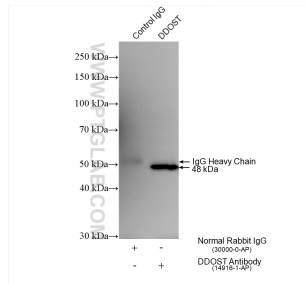
WB result of DDOST antibody (14916-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DDOST transfected A549 cells. This data was developed using the same antibody clone with 14916-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 14916-1-AP (DDOST antibody) at dilution of 1:2000 (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.