

For Research Use Only

# DTD1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87297-1-PBS



## Basic Information

Catalog Number:

87297-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11510

GenBank Accession Number:

BC045167

GeneID (NCBI):

92675

UNIPROT ID:

Q8TEA8

Full Name:

D-tyrosyl-tRNA deacylase 1 homolog  
(S. cerevisiae)

Calculated MW:

209 aa, 23 kDa

Observed MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

252568A10

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

DTD1 (D-aminoacyl-tRNA deacylase 1) is a crucial enzyme that ensures the fidelity of protein synthesis by maintaining L-homochirality. It functions as a proofreading factor that hydrolyzes mischarged D-aminoacyl-tRNAs into free D-amino acids and tRNA molecules, preventing the incorporation of D-amino acids into polypeptide chains. DTD1 also plays a significant part in the initiation of DNA replication by facilitating the loading of the CDC45 complex onto pre-replication sites. (PMID: 18700836;27200345)

## 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:

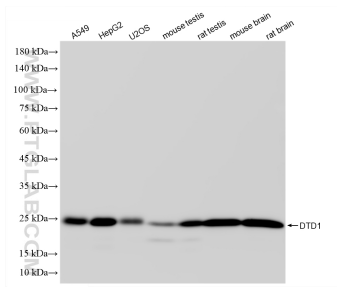
T: 4006900926

E: Proteintech-CN@ptglab.com

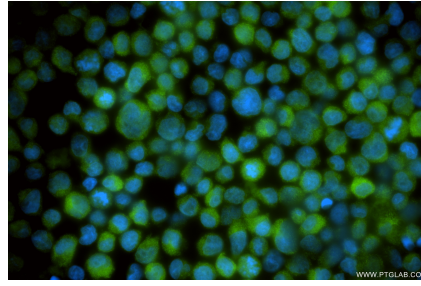
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87297-1-RR (DTD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87297-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using DTD1 antibody (87297-1-RR, Clone: 252568A10) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 87297-1-PBS in a different storage buffer formulation.