

For Research Use Only

# DTD1 Recombinant monoclonal antibody

Catalog Number:87297-1-RR



## Basic Information

Catalog Number:

87297-1-RR

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

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:50-1:500

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: A549 cells, HepG2 cells, U2OS cells, mouse testis tissue, rat testis tissue, mouse brain tissue, rat brain tissue

IF/ICC: Jurkat cells,

## 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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

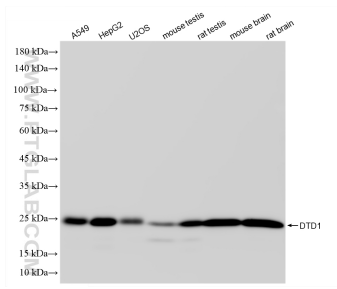
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

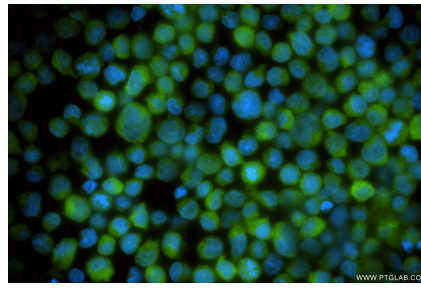
W: [ptgcn.com](http://ptgcn.com)

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 87297-1-RR (DTD1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).