

For Research Use Only

DTD1 Recombinant monoclonal antibody

Catalog Number: 87297-1-RR



Basic Information

Catalog Number: 87297-1-RR	GenBank Accession Number: BC045167	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 92675	CloneNo.: 252568A10
Source: Rabbit	UNIPROT ID: Q8TEA8	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: D-tyrosyl-tRNA deacylase 1 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG11510	Calculated MW: 209 aa, 23 kDa	
	Observed MW: 23 kDa	

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

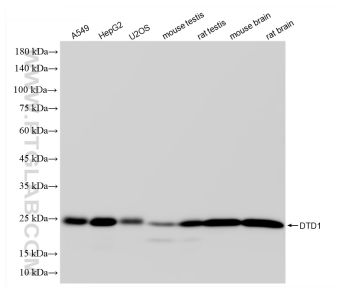
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

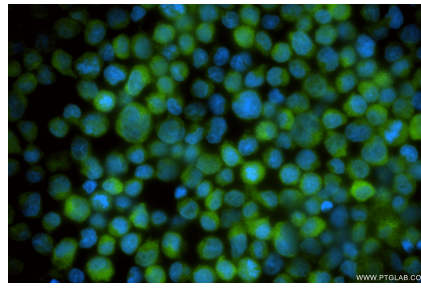
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.



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).