

For Research Use Only

TRMT6 Recombinant antibody, PBS Only

Catalog Number: 83843-6-PBS



Basic Information

Catalog Number: 83843-6-PBS	GenBank Accession Number: BC001262	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 51605	CloneNo.: 240911D3
Source: Rabbit	UNIPROT ID: Q9UJA5	
Isotype: IgG	Full Name: tRNA methyltransferase 6 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG10176	Calculated MW: 56 kDa	
	Observed MW: 55-60 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse

Background Information

Transfer RNA (tRNA) modifications help regulate the efficiency of mRNA translation by maintaining the correct reading frames within mRNA. TRMT6 (tRNA methyltransferase 6), also known as GCD10 or TRM6, is a 497 amino acid protein that localizes to the nucleus and exists as a heterodimer with TRM61. Expressed in liver, brain, ovary and testis, TRMT6 functions as a substrate-binding subunit of tRNA and is thought to catalyze the formation of N(1)-methyladenine at position 58 in initiator methionyl-tRNA. TRMT6 exists as three alternatively spliced isoforms that, in response to DNA damage, may be phosphorylated by ATM or ATR.

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

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

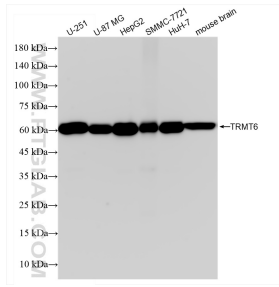
T: 4006900926

E: Proteintech-CN@ptglab.com

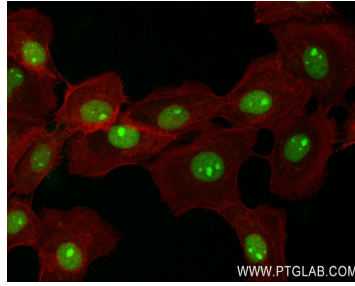
W: ptgcn.com

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Selected Validation Data

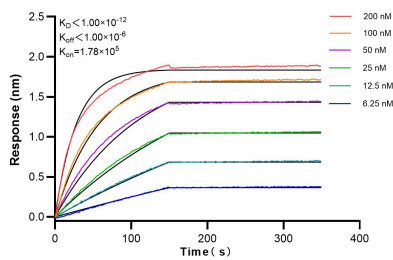


Various lysates were subjected to SDS PAGE followed by western blot with 83843-6-RR (TRMT6 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83843-6-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using TRMT6 antibody (83843-6-RR, Clone: 240911D3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83843-6-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 83843-6-RR (TRMT6 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83843-6-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83843-6-RR against Human TRMT6 were performed. The affinity constant is below 1 pM.