

For Research Use Only

# TRMT6 Recombinant antibody, PBS Only

Catalog Number: 83843-5-PBS



## Basic Information

|   |   |   |
|---|---|---|
| <b>Catalog Number:</b><br>83843-5-PBS       | <b>GenBank Accession Number:</b><br>BC001262                          | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1 mg/ml                     | <b>GeneID (NCBI):</b><br>51605  | <b>CloneNo.:</b><br>240911C5                          |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>Q9UJA5  |   |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>tRNA methyltransferase 6 homolog (S. cerevisiae) |   |
| <b>Immunogen Catalog Number:</b><br>AG10176 | <b>Calculated MW:</b><br>56 kDa                                       |   |
|   | <b>Observed MW:</b><br>55-60 kDa                                      |   |

## Applications

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

**Species Specificity:**  
human

## 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.

## 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:

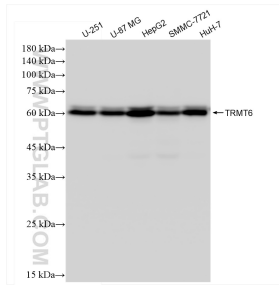
T: 4006900926

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

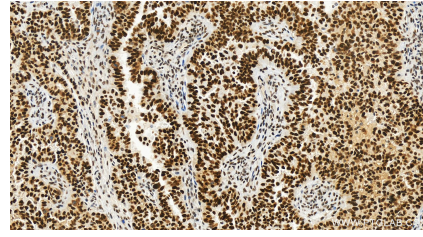
W: [ptgcn.com](http://ptgcn.com)

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

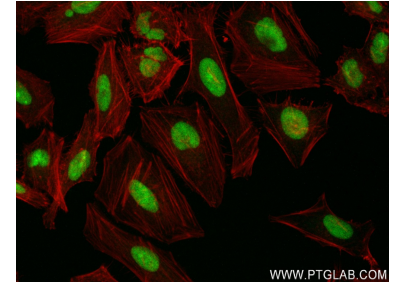
## Selected Validation Data



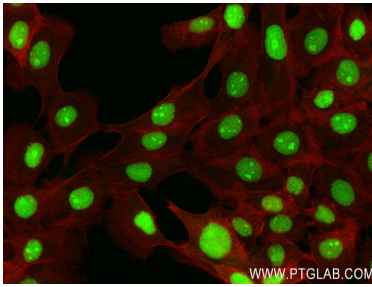
Various lysates were subjected to SDS PAGE followed by western blot with 83843-5-RR (TRMT6 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83843-5-PBS in a different storage buffer formulation.



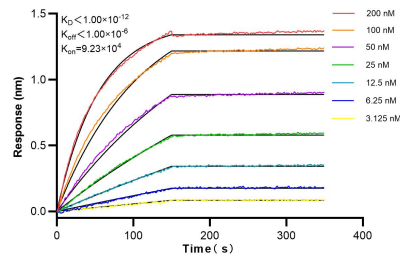
Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 83843-5-RR (TRMT6 antibody) at dilution of 1:3000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83843-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TRMT6 antibody (83843-5-RR, Clone: 240911C5 ) at dilution of 1:250 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 83843-5-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using TRMT6 antibody (83843-5-RR, Clone: 240911C5 ) at dilution of 1:250 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 83843-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83843-5-RR against Human TRMT6 were performed. The affinity constant is below 1 pM.