

For Research Use Only

# TRMT6 Polyclonal antibody, PBS Only

Catalog Number: 16727-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

16727-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG10176

**GenBank Accession Number:**

BC001262

**GeneID (NCBI):**

51605

**UNIPROT ID:**

Q9UJA5

**Full Name:**

tRNA methyltransferase 6 homolog (S. cerevisiae)

**Calculated MW:**

56 kDa

**Observed MW:**

55-60 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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. This antibody is specific to 56kd TRMT6 protein.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

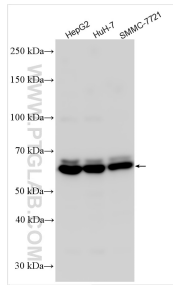
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

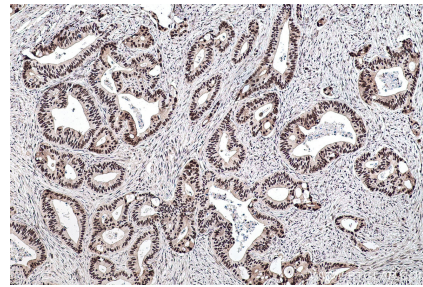
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

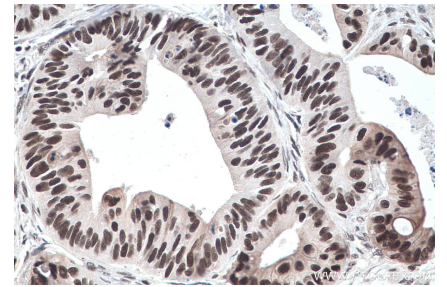
## Selected Validation Data



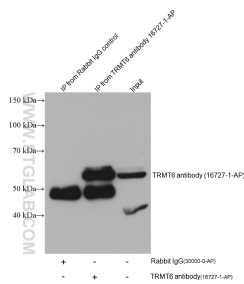
Various lysates were subjected to SDS PAGE followed by western blot with 16727-1-AP (TRMT6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16727-1-PBS in a different storage buffer formulation.



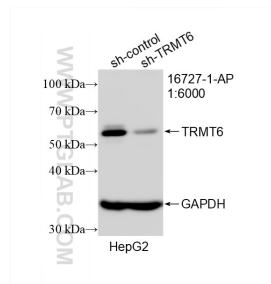
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16727-1-AP (TRMT6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16727-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16727-1-AP (TRMT6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16727-1-PBS in a different storage buffer formulation.



IP result of anti-TRMT6 (IP:16727-1-AP, 4ug; Detection:16727-1-AP 1:700) with HeLa cells lysate 2000 ug. This data was developed using the same antibody clone with 16727-1-PBS in a different storage buffer formulation.



WB result of TRMT6 antibody (16727-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRMT6 transfected HepG2 cells. This data was developed using the same antibody clone with 16727-1-PBS in a different storage buffer formulation.