

For Research Use Only

TRMT6 Polyclonal antibody

Catalog Number: 16727-1-AP **5 Publications**



Basic Information

Catalog Number: 16727-1-AP	GenBank Accession Number: BC001262	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 407 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51605	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: tRNA methyltransferase 6 homolog (S. cerevisiae)	
Isotype: IgG	Calculated MW: 56 kDa	
Immunogen Catalog Number: AG10176	Observed MW: 56 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : human brain tissue, mouse ovary tissue

IHC : human oesophagus tissue, human testis tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yongbo Liu	36138184	Nat Immunol	WB
Yanying Wang	34728628	Nat Commun	WB, IHC
Wenjun Kuang	35277482	Cell Discov	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

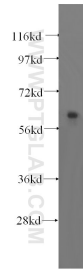
For technical support and original validation data for this product please contact:

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

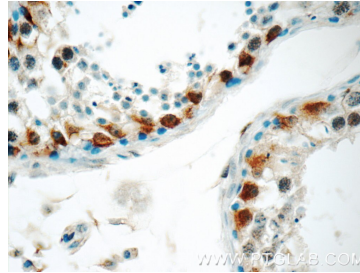
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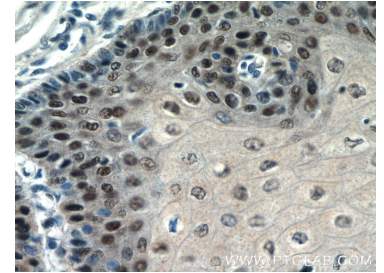
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 16727-1-AP (TRMT6 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 16727-1-AP (TRMT6 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human oesophagus tissue slide using 16727-1-AP (TRMT6 Antibody) at dilution of 1:100 (under 40x lens).