

For Research Use Only

TRMT10C Polyclonal antibody, PBS Only

Catalog Number: 29087-1-PBS

Featured Product



Basic Information

Catalog Number:

29087-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30642

GenBank Accession Number:

NM_017819

GeneID (NCBI):

54931

UNIPROT ID:

Q7L0Y3

Full Name:

RNA (guanine-9-) methyltransferase domain containing 1

Calculated MW:

47 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

tRNA methyltransferase 10 homolog C (TRMT10C, also known as MRPP1) is involved in mitochondrial RNA processing and modification (PMID: 21593607). It is essential for the 5'-ends processing of mitochondrial tRNAs and plays a critical role in mitochondrial respiration and translation (PMID: 18984158; 29040705). Mutations in TRMT10C may be a cause of mitochondrial disease and highlight the importance of RNA processing for correct mitochondrial function (PMID: 27132592).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

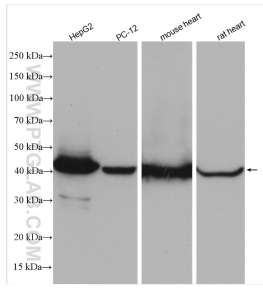
For technical support and original validation data for this product please contact:

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

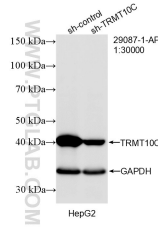
E: proteintech@ptglab.com
W: ptglab.com

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

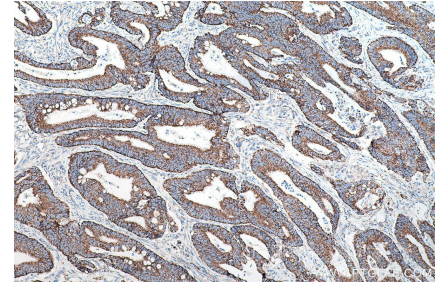
Selected Validation Data



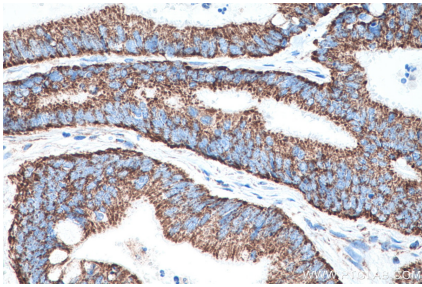
Various lysates were subjected to SDS PAGE followed by western blot with 29087-1-AP (TRMT10C antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29087-1-PBS in a different storage buffer formulation.



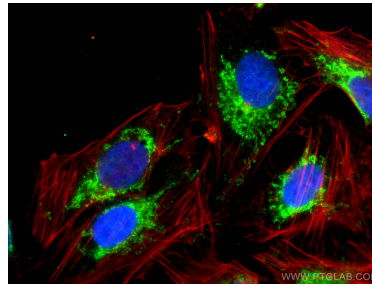
WB result of TRMT10C antibody (29087-1-AP; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRMT10C transfected HepG2 cells. This data was developed using the same antibody clone with 29087-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29087-1-AP (TRMT10C antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29087-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29087-1-AP (TRMT10C antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29087-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using TRMT10C antibody (29087-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 29087-1-PBS in a different storage buffer formulation.