

For Research Use Only

CoraLite® Plus 488-conjugated TRMT10C Polyclonal antibody

Catalog Number:CL488-29087



Basic Information

Catalog Number: CL488-29087	GenBank Accession Number: NM_017819	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 54931	Recommended Dilutions: IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q7L0Y3	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: RNA (guanine-9-) methyltransferase domain containing 1	
Immunogen Catalog Number: AG30642	Calculated MW: 47 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : U2OS cells,
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).

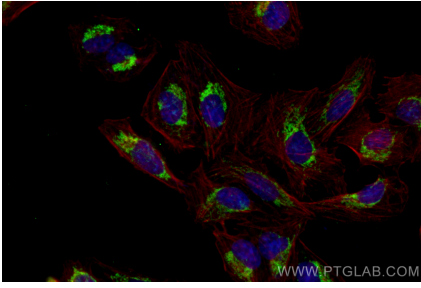
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using CoraLite® Plus 488 TRMT10C antibody (CL488-29087) at dilution of 1:200.