

For Research Use Only

TRMT2A Recombinant antibody

Catalog Number: 83463-8-RR



Basic Information

Catalog Number: 83463-8-RR	GenBank Accession Number: BC013352	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 27037	CloneNo.: 240444C2
Source: Rabbit	UNIPROT ID: Q8IZ69	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Full Name: TRM2 tRNA methyltransferase 2 homolog A (S. cerevisiae)	
Immunogen Catalog Number: AG9112	Calculated MW: 625 aa, 69 kDa	
	Observed MW: 42-44 kDa, 68-75 kDa	

Applications

Tested Applications: WB, IHC, FC (Intra), ELISA	Positive Controls:
Species Specificity: human, mouse	WB : K-562 cells, A431 cells, MCF-7 cells, MOLT-4 cells, HepG2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue,

Background Information

tRNA methyltransferase 2 homolog A (TRMT2A), also known as HTF9C is a novel cell cycle regulated protein, as associated with aggressive clinical course. HTF9C harbors a putative RNA recognition motif (RRM) in the N-terminus and the conserved uracil-C5-methyltransferase domain of the TrmA family in the C-terminus. HTF9C antibody can detect two bands about 68 kDa and 40 kDa (PMID: 20307320).

Storage

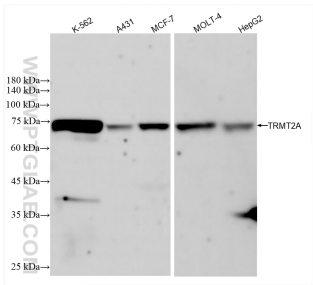
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

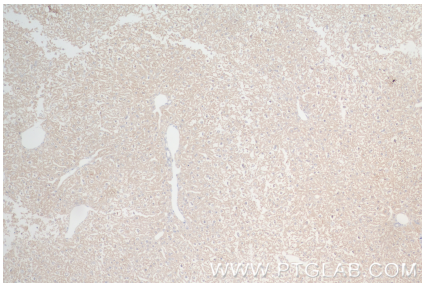
For technical support and original validation data for this product please contact:
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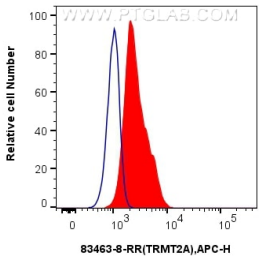
Selected Validation Data



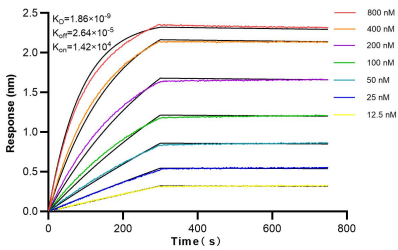
Various lysates were subjected to SDS PAGE followed by western blot with 83463-8-RR (TRMT2A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 83463-8-RR (TRMT2A antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ U-251 cells were intracellularly stained with 0.25 ug TRMT2A Recombinant antibody (83463-8-RR, Clone:240444C2) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83463-8-RR against Human TRMT2A were performed. The affinity constant is 1.86 nM.