

THUMPD3 Polyclonal antibody

Catalog Number:19807-1-AP

Basic Information

Catalog Number: 19807-1-AP	GenBank Accession Number: BC001622	Purification Method: Antigen affinity purification
Size: 450 ug/ml	GeneID (NCBI): 25917	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q9BV44	IHC 1:20-1:200
Isotype: IgG	Full Name: THUMP domain containing 3	IF/ICC 1:10-1:100
Immunogen Catalog Number: AG13833	Calculated MW: 507 aa, 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HeLa cells, HepG2 cells, mouse kidney tissue
Note-IHC: <i>suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</i>	IHC : human hepatocirrhosis tissue, human testis tissue
	IF/ICC : HeLa cells, HepG2 cells

Background Information

THUMPD3, or THUMP domain containing 3, is a protein-coding gene that plays a significant role in tRNA methylation, a post-transcriptional modification that affects tRNA biology and is closely associated with human diseases. THUMPD3 is responsible for catalyzing the formation of N2-methylguanosine (m2G) at position 6 in a broad range of tRNA substrates containing the characteristic 3'-CCA terminus of mature tRNAs.

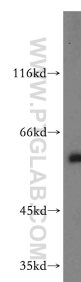
Storage

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

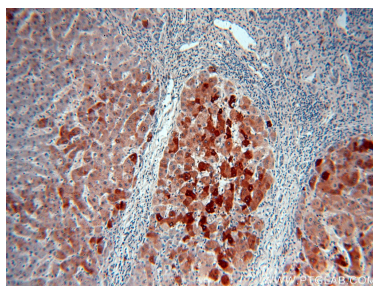
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

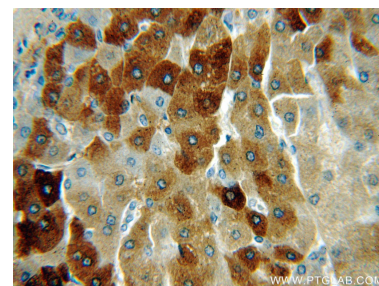
Selected Validation Data



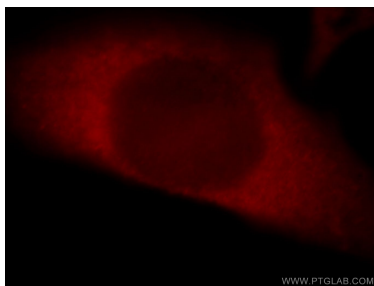
HeLa cells were subjected to SDS PAGE followed by western blot with 19807-1-AP (THUMPD3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 19807-1-AP (THUMPD3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis using 19807-1-AP (THUMPD3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HeLa cells, using THUMPD3 antibody 19807-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).