

For Research Use Only

MRPP3 Polyclonal antibody

Catalog Number: 20959-1-AP **1 Publications**



Basic Information

Catalog Number: 20959-1-AP	GenBank Accession Number: BC032221	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9692	Recommended Dilutions: WB 1:500-1:3000 IF 1:10-1:100
Source: Rabbit	Full Name: KIAA0391	
Isotype: IgG	Calculated MW: 583 aa, 67 kDa	
Immunogen Catalog Number: AG15196	Observed MW: 65-67 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : mouse brain tissue, L02 cells, mouse liver tissue
Cited Applications: WB	IF : HepG2 cells,
Species Specificity: human, mouse, rat	
Cited Species: human	

Background Information

MRPP3 (Mitochondrial ribonuclease P protein 3), originally known as KIAA0391, has been identified as a member of human mitochondrial RNase P (mtRNase P), the endonuclease responsible for tRNA 5' end maturation by removing extra nucleotides from tRNA precursors at their 5' termini. Recently Daniel et al. reported that Rnase P and other mitochondrial RNA processing enzymes are localized near mt DNA nucleoids where they can initiate process of primary transcripts. (24703694)

Notable Publications

Author	Pubmed ID	Journal	Application
Daniel F Bogenhagen	24703694	Cell Metab	WB

Storage

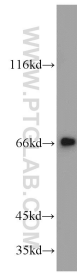
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

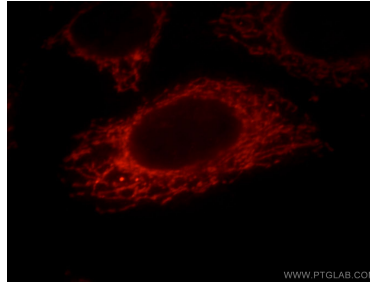
For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 20959-1-AP (MRPP3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using KIAA0391 antibody 20959-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).