

For Research Use Only

# MRPP3 Polyclonal antibody

Catalog Number: 20959-1-AP

1 Publications



## Basic Information

Catalog Number:

20959-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 200 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15196

GenBank Accession Number:

BC032221

GeneID (NCBI):

9692

UNIPROT ID:

O15091

Full Name:

KIAA0391

Calculated MW:

583 aa, 67 kDa

Observed MW:

65-67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:10-1:100

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse brain tissue, L02 cells, mouse liver tissue

IF/ICC : HepG2 cells,

## 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

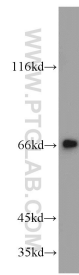
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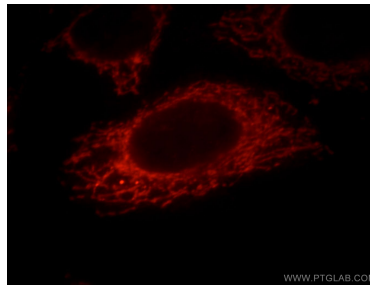
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## Selected Validation Data



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).