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## Summary

<b>Production Name</b>	MRP-S21 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IF,IHC,WB,
<b>Reactivity</b>	Human,Mouse,Rat,Monkey

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	MRPS21
<b>Alternative Names</b>	MRPS21; RPMS21; MDS016; 28S ribosomal protein S21; mitochondrial; MRP-S21; S21mt
<b>Gene ID</b>	54460.0
<b>SwissProt ID</b>	P82921.The antiserum was produced against synthesized peptide derived from human MRPS21. AA range:38-87

## Application

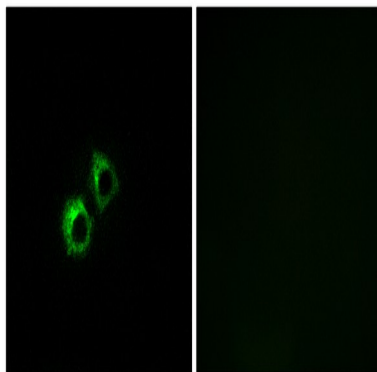
<b>Dilution Ratio</b>	WB 1:500 - 1:2000 IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<b>Molecular Weight</b>	11kD

## Background

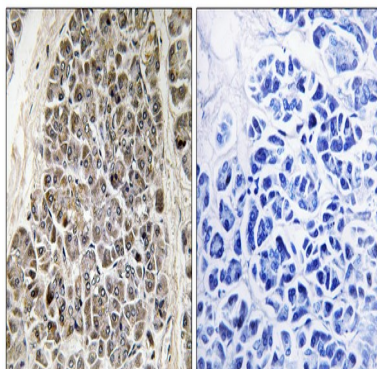
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S21P family. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 9p, 10p, 10q, 16q, and 17q. Available sequence data analyses identified splice variants. Belongs to the ribosomal protein S21P family., subunit: Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,

## Research Area

## Image Data



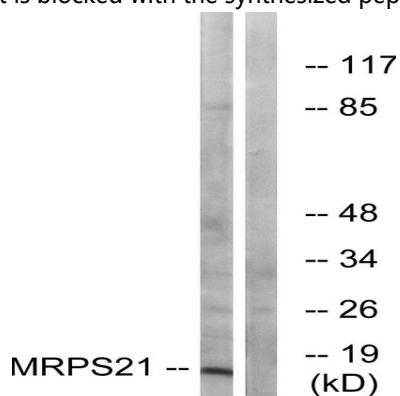
Immunofluorescence analysis of MCF7 cells, using MRPS21 Antibody. The picture on the right is blocked with the synthesized peptide.



**Product Name: MRP-S21 Rabbit Polyclonal Antibody**  
**Catalog #: APRab14146**



Immunohistochemistry analysis of paraffin-embedded human pancreas tissue, using MRPS21 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS cells, using MRPS21 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MRP-S21 Polyclonal Antibody diluted at 1: 500

## Note

For research use only.