

## **MRPS11 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) **Catalog # AP56841** 

### **Specification**

## MRPS11 Polyclonal Antibody - Product Information

Application **Primary Accession** 

Reactivity Host Clonality Calculated MW **Physical State** Immunogen

**Epitope Specificity** 

Isotype **Purity** 

affinity purified by Protein A

KLH conjugated synthetic peptide derived from human MRPS11

61-150/194

laG

P82912

**Rabbit** 

21 KDa

Liquid

**Polyclonal** 

Buffer

SUBCELLULAR LOCATION

**SIMILARITY** 

Important Note

0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

WB, IHC-P, IHC-F, IF, ICC, E

Rat, Pig, Dog, Bovine

Mitochondrion.

Belongs to the ribosomal protein S11P

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

### **Background Descriptions**

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 contains a high level of sequence similarity with ribosomal protein S11P family members. A pseudogene corresponding to this gene is found on chromosome 20. Sequence analysis identified two transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2008]

## MRPS11 Polyclonal Antibody - Additional Information

## Gene ID 64963

#### **Other Names**

28S ribosomal protein S11, mitochondrial, MRP-S11, S11mt, Cervical cancer proto-oncogene 2 protein, HCC-2, Mitochondrial small ribosomal subunit protein uS11m, MRPS11, RPMS11



### **Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_ICC">ICC~~N/A</span>

### **Storage**

Store at -20  $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4  $^{\circ}$ C.

### MRPS11 Polyclonal Antibody - Protein Information

Name MRPS11

Synonyms RPMS11

**Cellular Location** 

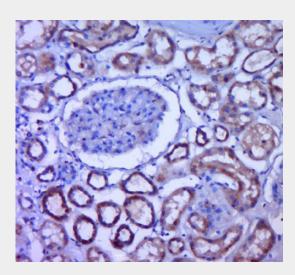
Mitochondrion.

# **MRPS11 Polyclonal Antibody - Protocols**

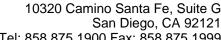
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# MRPS11 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (human kidney tissue); Antigen retrieval by boiling in





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sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MRPS11) Polyclonal Antibody, Unconjugated (bs-17809R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.