

## Rabbit Anti-MRPS11/AP Conjugated antibody

SL17809R-AP

<b>Product Name</b>	Anti-MRPS11/AP
<b>Chinese Name</b>	碱性磷酸酶 (AP) 标记的 Mitochondrion 核糖体蛋白 S11 抗体
<b>Alias</b>	28S ribosomal protein S11; 28S ribosomal protein S11 mitochondrial; 28S ribosomal protein S11, mitochondrial precursor; Cervical cancer proto oncogene 2 protein; Cervical cancer proto-oncogene 2 protein; HCC 2; HCC-2; mitochondrial; Mitochondrial ribosomal protein S11; MRP S11; MRP-S11; MRPS11; RPMS11; RT11_HUMAN; S11mt.
<b>Research Area</b>	Cell biology Signal transduction transcriptional regulatory factor Cell type markers Mitochondrion Epigenetics
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Human(predicted:Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit) IHC-P=1:100-500,IHC-F=1:100-500
<b>Applications</b>	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	21kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human MRPS11
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Product Detail</b>	<b>background:</b> 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]

**Subcellular Location:**

Mitochondrion.

**Similarity:**

Belongs to the ribosomal protein S11P family.

**Database links:**

[Entrez Gene: 64963](#) Human

[Entrez Gene: 67994](#) Mouse

[Entrez Gene: 499185](#) Rat

[Omim: 611977](#) Human

[SwissProt: P82912](#) Human

[SwissProt: Q9DCA2](#) Mouse

[Unigene: 111286](#) Human

[Unigene: 297033](#) Mouse

[Unigene: 759](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.