

# MRP-S18A Polyclonal Antibody

Cat No: HR1AP7824

For research use only

## Overview

Product Name	MRP-S18A Polyclonal Antibody
Source	Rabbit
Applications	IHC-p,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	kDa
GeneID?Human?	MRPS18A
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	MRPS18A; 28S ribosomal protein S18a; mitochondrial; MRP-S18-a; Mrps18a; S18mt-a; 28S ribosomal protein S18-3, mitochondrial; MRP-S18-3
Background	<p>mitochondrial ribosomal protein S18A(MRPS18A) Homo sapiens 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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondria</p>