

MRP-S22 Polyclonal Antibody

Cat No: HR1AP3959

For research use only

Overview

Product Name	MRP-S22 Polyclonal Antibody
Source	Rabbit
Applications	WB,IHC-p,IF,ELISA
Species Reactivity	Human,Monkey
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	41kDa
GeneID?Human?	MRPS22
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	MRPS22; C3orf5; RPMS22; GK002; 28S ribosomal protein S22; mitochondrial; MRP-S22; S22mt
Background	<p>mitochondrial ribosomal protein S22(MRPS22) 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 does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene</p>