

MRP-S5 Polyclonal Antibody

Cat No: HR1AP8319

For research use only

Overview

Product Name	MRP-S5 Polyclonal Antibody
Source	Rabbit
Applications	IHC-p,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	kDa
GeneID?Human?	MRPS5
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	MRPS5; 28S ribosomal protein S5; mitochondrial; MRP-S5; S5mt
Background	mitochondrial ribosomal protein S5(MRPS5) 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 S5P family. Pseudogenes corresponding to this gene are found on chromosomes 4q, 5q, and 18q. [provided by RefSeq, Jul 2008],