

MRP-S24 rabbit pAb**Cat#: orb770082 (Manual)**

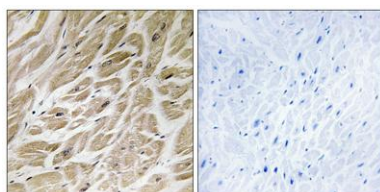
For research use only. Not intended for diagnostic use.

Product Name	MRP-S24 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS24. AA range:51-100
Specificity	MRP-S24 Polyclonal Antibody detects endogenous levels of MRP-S24 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	28S ribosomal protein S24 mitochondrial
Gene Name	MRPS24
Cellular localization	Mitochondrion .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

Concentration	1 mg/ml
Observed band	
Human Gene ID	64951
Human Swiss-Prot Number	Q96EL2
Alternative Names	MRPS24; HSPC335; 28S ribosomal protein S24; mitochondrial; MRP-S24; S24mt; bMRP-47; bMRP47

Background

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. A pseudogene corresponding to this gene is found on chromosome 11. Read-through transcription exists between this gene and the upstream upregulator of cell proliferation (URGCP) gene. [provided by RefSeq, Ma



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MRPS24 Antibody. The picture on the right is blocked with the synthesized peptide.