



MRP-S24 rabbit pAb

Cat No.:ES7207

For research use only

Overview

| | |
|---------------------------------|--|
| 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.

