



MRP-L52 rabbit pAb

Cat No.:ES4702

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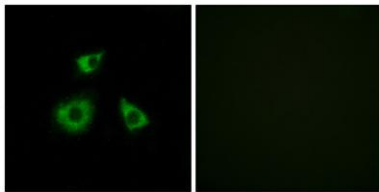
Overview

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| Product Name | MRP-L52 rabbit pAb |
| Host species | Rabbit |
| Applications | IHC;IF;ELISA |
| Species Cross-Reactivity | Human;Rat;Mouse; |
| Recommended dilutions | Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. |
| Immunogen | The antiserum was produced against synthesized peptide derived from human MRPL52. AA range:71-120 |
| Specificity | MRP-L52 Polyclonal Antibody detects endogenous levels of MRP-L52 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 | 39S ribosomal protein L52 mitochondrial |
| Gene Name | MRPL52 |
| 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 | 122704 |
| Human Swiss-Prot Number | Q86TS9 |
| Alternative Names | MRPL52; 39S ribosomal protein L52; mitochondrial; L52mt; MRP-L52 |
| 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 39S subunit protein which has no bacterial homolog. Multiple transcript variants encoding different protein isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008],

Immunofluorescence analysis of HUVEC cells, using MRPL52 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MRPL52 Antibody. The picture on the right is blocked with the synthesized peptide.

