
Product Information

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| Product SKU: | CAB13197 | Gene ID: | 84311 | Size: | 20uL, 100uL |
| Clone No: | - | Host Species: | Rabbit | Reactivity: | Human,Mouse,Rat |

Additional Information

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| Observed MW: | 35kDa | Conjugate: | Unconjugated |
| Calculated MW: | 35kDa | Isotype: | IgG |

Immunogen Information

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| 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. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 2p and 17q. |
| Recommended Dilution: | WB,1:500 - 1:2000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 |
| Synonyms: | Mba1; L45mt; MRP-L45; MRPL45 |
| Purification Method: | Affinity purification |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 57-306 of human MRPL45 (NP_115727.5). |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3. |