

**bs-17778R****[ Primary Antibody ]****MRPL4 Rabbit pAb**

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**— DATASHEET —**

|  |                      |   |
|--|----------------------|---|
| <b>Host:</b> Rabbit  | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>IHC-P</b> (1:100-500)<br><b>IHC-F</b> (1:100-500)<br><b>IF</b> (1:100-500)<br><b>ICC/IF</b> (1:100-500)<br><b>ELISA</b> (1:5000-10000)<br><br><b>Reactivity:</b> (predicted: Human, Mouse, Rat)<br><br><b>Predicted MW.:</b> 35 kDa<br><br><b>Subcellular Location:</b> Cytoplasm |
| <b>Clonality:</b> Polyclonal   |                      |   |
| <b>GeneID:</b> 51073   | <b>SWISS:</b> Q9BYD3 |   |
| <b>Target:</b> MRPL4   |                      |   |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MRPL4: 111-210/311.  |                      |   |
| <b>Purification:</b> affinity purified by Protein A  |                      |   |
| <b>Concentration:</b> 1mg/ml   |                      |   |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |                      |   |
| <b>Background:</b> 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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq, Jul 2008] |                      |   |