

**bs-17781R****[ Primary Antibody ]****MRPL22 Rabbit pAb****BioSS**  
**ANTIBODIES**

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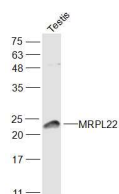
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**— DATASHEET —**

|   |                      |  |
|---|----------------------|--|
| <b>Host:</b> Rabbit   | <b>Isotype:</b> IgG  | <b>Applications:</b> WB (1:500-2000)                                 |
| <b>Clonality:</b> Polyclonal  |                      |  |
| <b>GeneID:</b> 29093  | <b>SWISS:</b> Q9NWU5 |  |
| <b>Target:</b> MRPL22   |                      |  |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MRPL22: 41-120/206.   |                      |  |
| <b>Purification:</b> affinity purified by Protein A   |                      | <b>Reactivity:</b> Mouse (predicted: Human, Rat, Zebrafish, Chicken) |
| <b>Concentration:</b> 1mg/ml  |                      | <b>Predicted MW.:</b> 23 kDa   |
| <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>Subcellular Location:</b> Cytoplasm                               |
| <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 that belongs to the L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |                      |  |

**— VALIDATION IMAGES —**

Sample: Testis (Mouse) Lysate at 40 ug Primary:  
Anti-MRPL22 (bs-17781R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
1/20000 dilution Predicted band size: 23 kD  
Observed band size: 23 kD