bs-17781R **[Primary Antibody]**

MRPL22 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 29093 **SWISS:** Q9NWU5

Target: MRPL22

Immunogen: KLH conjugated synthetic peptide derived from human MRPL22: 41-120/206.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 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]

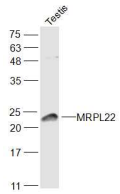
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Human, Rat, Zebrafish, Chicken)

Predicted MW.: 23 kDa

Subcellular Location: Cytoplasm

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