

Anti-Human MRPL3 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA05091**

3th Edition

Description: 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 L3P ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 13q. MRPL3 (Mitochondrial Ribosomal Protein L3) is a Protein Coding gene. Diseases associated with MRPL3 include Combined Oxidative Phosphorylation Deficiency 9 and Mitochondrial Cardiomyopathy. Among its related pathways are Mitochondrial translation and Viral mRNA Translation. GO annotations related to this gene include poly(A) RNA binding and structural constituent of ribosome.

Antigen: Synthesized peptide derived from the Internal region of human MRP-L3

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: