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MRPL54 Polyclonal Antibody

Cat #: G-AB-08867

Host: Rabbit **Reactivity:** Human

Isotype: IgG **Clonality:**

Overview:
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.

Gene ID: 116541

Accession #:

Immunogen: Recombinant fusion protein of human MRPL54 (NP_758455.1).

Conjugation: Unconjugated

Swissprot: Q6P161

Calculated Molecular Weight: 15 kDa

Observed Molecular Weight: 15 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3

Purification Method: Affinity purification

Application: WB

Dilution: WB 1:500-1:2000

Storage: Store at -20°C. Avoid freeze / thaw cycles.