

Product datasheet for TA361301

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OriGene Technologies, Inc.

MRPL40 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human
Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the N terminal region of human

RPA2

Specificity: Expected reactivity: Human

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 30 kDa

Gene Name: mitochondrial ribosomal protein L40

Database Link: <u>NP 001273005.1</u>

Entrez Gene 6118 HumanEntrez Gene 64976 Human

P15927-2





Background:

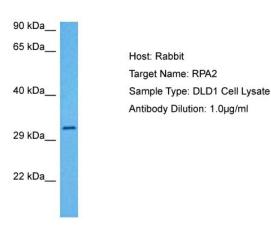
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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. Deletions in this gene may contribute to the etiology of velo-cardio-facial syndrome and DiGeorge syndrome.

Synonyms: FLJ41774; L40mt; MGC9400; MRP-L22; MRP-L40; NLVCF; URIM

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: DNA replication, Homologous recombination, Mismatch repair, Nucleotide excision repair

Product images:



Host: Rabbit Target Name: RPA2

Sample Tissue: Human DLD1 Whole Cell lysates

Antibody Dilution: 1ug/ml