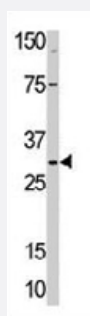


MRPL24 polyclonal antibody

Catalog # PAB3757

Size 400 uL

Applications



Western Blot

Western blot analysis of MRPL24 polyclonal antibody (Cat # PAB3757) in mouse kidney tissue lysate (35 ug/lane). MRPL24 (arrow) was detected using the purified polyclonal antibody (1:1000 dilution).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MRPL24.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MRPL24.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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Gene Info — MRPL24

Entrez GeneID [79590](#)

Protein Accession# [NP_078816;Q96A35](#)

Gene Name MRPL24

Gene Alias FLJ20917, L24mt, MGC22737, MGC9831, MRP-L18, MRP-L24

Gene Description mitochondrial ribosomal protein L24

Gene Ontology [Hyperlink](#)

Gene Summary Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28 S 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 which is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein. [provided by RefSeq]

Other Designations 39S ribosomal protein L24, mitochondrial|OTTHUMP00000038724|OTTHUMP00000038725

Publication Reference

- [Identification and characterization of over 100 mitochondrial ribosomal protein pseudogenes in the human genome.](#)

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- [The human mitochondrial ribosomal protein genes: mapping of 54 genes to the chromosomes and implications for human disorders.](#)

Kenmochi N, Suzuki T, Uechi T, Magoori M, Kuniba M, Higa S, Watanabe K, Tanaka T.

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- [Mammalian mitochondrial ribosomal proteins \(4\). Amino acid sequencing, characterization, and identification of corresponding gene sequences.](#)

O'Brien TW, Liu J, Sylvester JE, Mougey EB, Fischel-Ghodsian N, Thiede B, Wittmann-Liebold B, Graack HR.

The Journal of Biological Chemistry 2000 Jun; 275(24):18153.