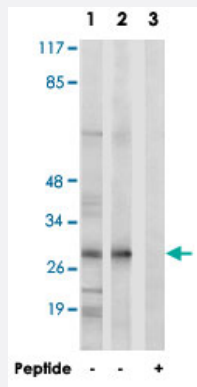


MRPL47 polyclonal antibody

Catalog # PAB17565 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from K-562 cells (Lane 1) and RAW 264.7 cells (Lane 2 and lane 3), using MRPL47 polyclonal antibody (Cat # PAB17565).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MRPL47.
Immunogen	A synthetic peptide corresponding to internal of human MRPL47.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total MRPL47 protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	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 (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MRPL47

Entrez GeneID [57129](#)

Protein Accession# [Q9HD33](#)

Gene Name MRPL47

Gene Alias CGI-204, MGC45403, NCM1

Gene Description mitochondrial ribosomal protein L47

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. This gene is immediately adjacent to the gene for BAF complex 53 kDa subunit protein a (BAF53a), in a tail-to-tail orientation. Two transcript variants encoding different protein isoforms have been identified. [provided by RefSeq]

Other Designations nasopharyngeal carcinoma metastasis-related 1