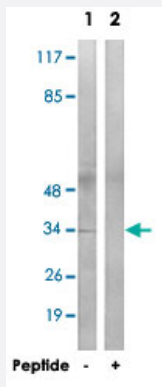


MRPL4 polyclonal antibody

Catalog # PAB17771

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COLO 205 cells, using MRPL4 polyclonal antibody (Cat # PAB17771).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MRPL4.
Immunogen	A synthetic peptide corresponding to internal of human MRPL4.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of total MRPL4 protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:20000) 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)

Western blot analysis of extracts from COLO 205 cells, using MRPL4 polyclonal antibody (Cat # PAB17771).
Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MRPL4

Entrez GeneID [51073](#)

Protein Accession# [Q9BYD3](#)

Gene Name MRPL4

Gene Alias CGI-28, L4mt, MGC16367, MGC2681

Gene Description mitochondrial ribosomal protein L4

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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq]

Other Designations -

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)

- [Occupational Diseases](#)