BT LAB
Bioassay Technology Laboratory
Optimize Your Research

MRP-S24 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05608
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS24. AA range:51-100
Mol wt	19015
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, ELISA
Concentration	1 mg/ml
Full name	MRP-S24 Antibody
Synonyms	MRPS24; HSPC335; 28S ribosomal protein S24; mitochondrial; MRP-S24; S24mt; bMRP-47; bMRP47

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. MRPS24 (mitochondrial ribosomal protein S24) encodes a 28S subunit protein. A pseudogene corresponding to MRPS24 is found on chromosome 11. Read-through transcription exists between MRPS24 and the upstream upregulator of cell proliferation (URGCP) gene.

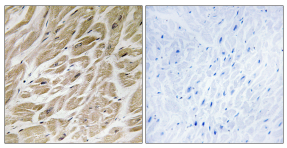
Recommended Dilution

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MRPS24 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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