

MRP-S16 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05601
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS16. AA range:81-130
Mol wt	15345
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	MRP-S16 Antibody
Synonyms	MRPS16; RPMS16; CGI-132; 28S ribosomal protein S16; mitochondrial; MRP-S16; S16mt

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. MRPS16 encodes a 28S subunit protein that belongs to the ribosomal protein S16P family. The encoded protein is one of the most highly conserved ribosomal proteins between mammalian and yeast mitochondria.

Recommended Dilution

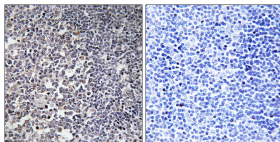
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

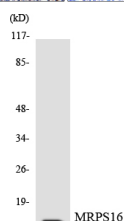
ELISA: 1: 40000

Not yet tested in other applications.

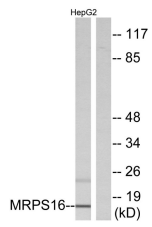
Images



Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using MRPS16 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using MRPS16 antibody.



Western blot analysis of lysates from HepG2 cells, using MRPS16 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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