

MRP-S17 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05602
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS17. AA range:11-60
Mol wt	14502
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	MRP-S17 Antibody
Synonyms	MRPS17; RPMS17; HSPC011; 28S ribosomal protein S17; mitochondrial; MRP-S17; S17mt

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. MRPS17 (mitochondrial ribosomal protein S17) encodes a 28S subunit protein that belongs to the ribosomal protein S17P family. The encoded protein is moderately conserved between human mitochondrial and prokaryotic ribosomal proteins. Pseudogenes corresponding to MRPS17 are found on chromosomes 1p, 3p, 6q, 14p, 18q, and Xq.

Recommended Dilution

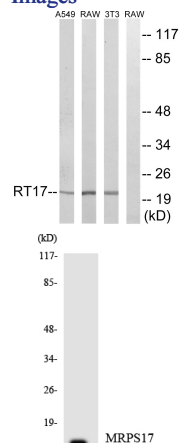
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

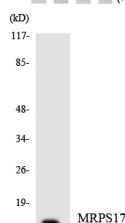
ELISA: 1: 40000

Not yet tested in other applications.

Images



Western blot analysis of lysates from NIH/3T3, RAW264.7, and A549 cells, using MRPS17 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using MRPS17 antibody.

Storage

-20°C for one year

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