

MRP-S5 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP05617

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human MRPS5. AA range:367-416

Mol wt 48006

Species reactivity Human

Clonality Polyclonal

Recommended application IHC-p, ELISA

Concentration 1 mg/ml

Full name MRP-S5 Antibody

Synonyms MRPS5; 28S ribosomal protein S5; mitochondrial; MRP-S5; S5mt

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

Background

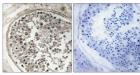
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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. MRPS5 (mitochondrial ribosomal protein S5) encodes a 28S subunit protein that belongs to the ribosomal protein S5P family. Pseudogenes corresponding to MRPS5 are found on chromosomes 4q, 5q, and 18q.

Recommended Dilution

IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemistry analysis of paraffin-embedded human testis, using MRPS5 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year