

MRP-S27 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05610
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS27. AA range:16-65
Mol wt	47669
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	MRP-S27 Antibody
Synonyms	MRPS27; KIAA0264; 28S ribosomal protein S27; mitochondrial; MRP-S27; S27mt

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

Background

28S ribosomal protein S27 mitochondrial (mitochondrial ribosomal protein S27) is encoded by nuclear genes MRPS27 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. This gene encodes a 28S subunit protein that may be a functional partner of the death associated protein 3 (DAP3). Alternative splicing results in multiple transcript variants encoding different isoforms.

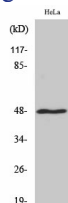
Recommended Dilution

WB: 1: 500 - 1: 2000

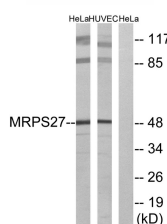
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using MRP-S27 Polyclonal Antibody



Western blot analysis of lysates from HeLa and HUVEC cells, using MRPS27 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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