

MRPS15 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16498c

Specification

MRPS15 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	P82914
Other Accession	NP_112570.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29842
Antigen Region	124-153

MRPS15 Antibody (Center) - Additional Information

Gene ID 64960

Other Names

28S ribosomal protein S15, mitochondrial, MRP-S15, S15mt, MRPS15, RPMS15

Target/Specificity

This MRPS15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-153 amino acids from the Central region of human MRPS15.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MRPS15 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPS15 Antibody (Center) - Protein Information

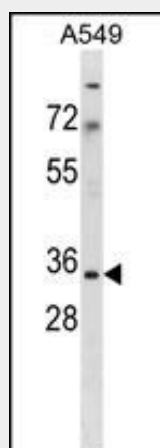
Name MRPS15

Synonyms RPMS15

Cellular Location
Mitochondrion matrix**MRPS15 Antibody (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MRPS15 Antibody (Center) - Images

MRPS15 Antibody (Center) (Cat. #AP16498c) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the MRPS15 antibody detected the MRPS15 protein (arrow).

MRPS15 Antibody (Center) - 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. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S15P family. The encoded protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 15q and 19q.

MRPS15 Antibody (Center) - References

Zhang, Z., et al. Genomics 81(5):468-480(2003)
Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :
Suzuki, T., et al. J. Biol. Chem. 276(35):33181-33195(2001)
Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)