

MRPS9 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16748b

Specification

MRPS9 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P82933
Other Accession	Q9D7N3 , Q58DQ5 , NP_872578.1
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	45835
Antigen Region	364-392

MRPS9 Antibody (C-term) - Additional Information

Gene ID 64965

Other Names

28S ribosomal protein S9, mitochondrial, MRP-S9, S9mt, MRPS9, RPMS9

Target/Specificity

This MRPS9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 364-392 amino acids from the C-terminal region of human MRPS9.

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

MRPS9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPS9 Antibody (C-term) - Protein Information

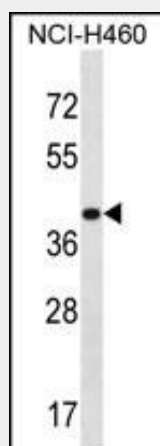
Name MRPS9

Synonyms RPMS9

Cellular Location
Mitochondrion.**MRPS9 Antibody (C-term) - 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](#)

MRPS9 Antibody (C-term) - Images

MRPS9 Antibody (C-term) (Cat. #AP16748b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the MRPS9 antibody detected the MRPS9 protein (arrow).

MRPS9 Antibody (C-term) - 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. [provided by RefSeq].

MRPS9 Antibody (C-term) - References

Rikova, K., et al. Cell 131(6):1190-1203(2007)
Salonen, J.T., et al. Am. J. Hum. Genet. 81(2):338-345(2007)

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Kim, J.M., et al. DNA Res. 13(6):275-286(2006)
Ishiguchi, H., et al. Int. J. Cancer 111(6):900-909(2004)