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MRPS9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16748b

Product Information

Application	WB, E
Primary Accession	P82933
Other Accession	Q9D7N3, Q58DQ5, NP_872578.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36480
Calculated MW	45835
Antigen Region	364-392

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 E~~Use at an assay dependent concentration.
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.

Protein Information

Name	MRPS9
Synonyms	RPMS9
Cellular Location	Mitochondrion.

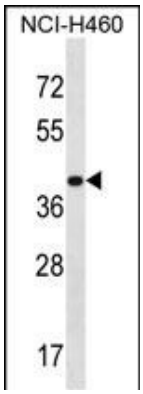
Background

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].

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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.