

MRPS23 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18360c

Product Information

Application	WB, E
Primary Accession	Q9Y3D9
Other Accession	NP_057154.2
Reactivity	Human
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37597
Calculated MW	21771
Antigen Region	50-76

Additional Information

Gene ID	51649
Other Names	28S ribosomal protein S23, mitochondrial, MRP-S23, S23mt, MRPS23
Target/Specificity	This MRPS23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-76 amino acids from the Central region of human MRPS23.
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	MRPS23 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MRPS23
Cellular Location	Mitochondrion.

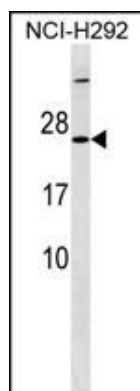
Background

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. A pseudogene corresponding to this gene is found on chromosome 7p. [provided by RefSeq].

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Zhang, Z., et al. Genomics 81(5):468-480(2003)
Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :
Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)
Koc, E.C., et al. J. Biol. Chem. 275(42):32585-32591(2000)

Images



MRPS23 Antibody (Center) (Cat. #AP18360c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the MRPS23 Antibody detected the MRPS23 protein (arrow).

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