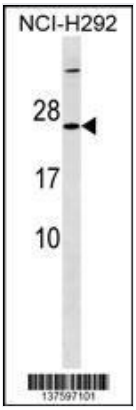
MRPS23 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPS23, Polyclonal Antibody
Full Product Name	MRPS23, ID (MRPS23, 28S ribosomal protein S23, mitochondrial) (Azide free) (HRP)
Product Gene Name	anti-MRPS23 antibody
Product Synonym Names	MRPS23; 28S ribosomal protein S23, mitochondrial
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	21,771 Da
OMIM	611985
3D Structure	ModBase 3D Structure for Q9Y3D9
Immunogen	MRPS23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-76 amino acids from the Central region of human MRPS23.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-MRPS23 antibody	Antibodies; Mitochondrial Proteins
Applications Tested/Suitable for anti-MRPS23 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MRPS23 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MRPS23 antibody	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].

Product References and Citations for anti-MRPS23 antibody	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).
Other Notes	Small volumes of anti-MRPS23 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MRPS23 purchase	MBS6322322 is an antibody targeting MRPS23. Also known as MRPS23, ID (MRPS23, 28S ribosomal protein S23, mitochondrial) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MRPS23 antibody
MRPS23 Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the MRPS23 Antibody detected the MRPS23 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPS23. It may not necessarily be applicable to this product.

NCBI GI #	16554604
NCBI GeneID	51649
NCBI Accession #	NP_057154.2
UniProt Primary Accession #	Q9Y3D9
UniProt Secondary Accession #	Q96Q24; Q9BWH8; Q9P053; B2R6V3
UniProt Related Accession #	Q9Y3D9
GenBank Nucleotide #	NM_016070.3
NCBI Official Full Name	28S ribosomal protein S23, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S23
NCBI Official Symbol	MRPS23
NCBI Official Synonym Symbols	CGI-138; HSPC329; MRP-S23
UniProt Protein Name	28S ribosomal protein S23, mitochondrial
Protein Family	28S ribosomal protein
UniProt Gene Name	MRPS23
UniProt Synonym Gene Names	MRP-S23; S23mt
UniProt Entry Name	RT23_HUMAN
NCBI Protein Information	28S ribosomal protein S23, mitochondrial

UniProt Comments for MRPS23	MRPS23: Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins. Protein type: Mitochondrial; Ribosomal; Translation Chromosomal Location of Human Ortholog: 17q22-q23 Cellular Component: intermediate filament cytoskeleton; mitochondrial inner membrane; mitochondrion; nuclear membrane Molecular Function: protein binding
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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