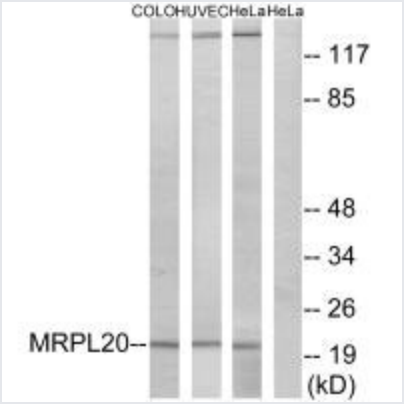
MRPL20 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPL20, Polyclonal Antibody
Full Product Name	MRPL20 Antibody
Product Gene Name	anti-MRPL20 antibody
Product Synonym Names	39S ribosomal protein L20; mitochondrial [Precursor]; L20mt; MRP-L20; MRPL20
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; Rabbit IgG In Phosphate Buffered Saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	17,443 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (1337276..1342693, complement). Location: 1p36.3-p36.2
OMIM	611833
3D Structure	ModBase 3D Structure for Q9BYC9
Immunogen	Synthesized peptide derived from C-terminal of human MRPL20.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-MRPL20 antibody	Tags & Cell Markers
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MRPL20 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-MRPL20 antibody	WB: 1:500-1:3000
Related Product Information for anti-MRPL20 antibody	MBS7131105 is an antibody targeting MRPL20. Also known as MRPL20 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MRPL20 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.



Western Blot (WB) of anti-MRPL20 antibody
Western blot analysis of extracts from COLO cells, HUVEC cells and HeLa cells, using MRPL20 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPL20. It may not necessarily be applicable to this product.

NCBI GI #	26638657
NCBI GeneID	55052
NCBI Accession #	NP_060441.2
UniProt Primary Accession #	Q9BYC9
UniProt Secondary Accession #	B2RE41
UniProt Related Accession #	Q9BYC9
GenBank Nucleotide #	NM_017971.3
NCBI Official Full Name	39S ribosomal protein L20, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L20
NCBI Official Symbol	MRPL20
NCBI Official Synonym Symbols	L20mt; MRP-L20
UniProt Protein Name	39S ribosomal protein L20, mitochondrial
Protein Family	39S ribosomal protein
UniProt Gene Name	MRPL20
UniProt Synonym Gene Names	L20mt; MRP-L20
UniProt Entry Name	RM20_HUMAN
NCBI Protein Information	39S ribosomal protein L20, mitochondrial
NCBI Summary for MRPL20	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 39S subunit protein. A pseudogene corresponding to this gene is found on chromosome 21q. [provided by RefSeq, Jul 2008]

UniProt Comments for MRPL20	MRPL20: a mitochondrial ribosomal protein encoded by a nuclear gene that helps 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 39S subunit protein. A pseudogene corresponding to this gene is found on chromosome 21q. [provided by RefSeq, Jul 2008] Protein type: Mitochondrial Chromosomal Location of Human Ortholog: 1p36.3-p36.2 Cellular Component: mitochondrial inner membrane; mitochondrial ribosome Molecular Function: rRNA binding; protein binding; structural constituent of ribosome Biological Process: mitochondrial translation; organelle organization and biogenesis
Research Articles on MRPL20	**1.** Observational study of gene-disease association. (HuGE Navigator)
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