MRP-L14 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRP-L14, Polyclonal Antibody
Full Product Name	MRP-L14 Polyclonal Conjugated Antibody
Product Gene Name	anti-MRP-L14 antibody
Product Synonym Names	MRPL14; MRPL32; RPML32; 39S ribosomal protein L14; mitochondrial; L14mt; MRP-L14; 39S ribosomal protein L32; mitochondrial; L32mt; MRP-L32
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	MRP-L14 polyclonal antibody detects endogenous levels of MRP-L14 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	15,948 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (44081372..44095191, complement). Location: 6p21.3
OMIM	611827
3D Structure	ModBase 3D Structure for Q6P1L8
Immunogen	Synthesized peptide derived from the C-terminal region of human MRP-L14.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-MRP-L14 antibody	Most Applications
Application Notes for anti-MRP-L14 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-MRP-L14 antibody	MBS9449940 is an antibody targeting MRP-L14. Also known as MRP-L14 Polyclonal Conjugated Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-MRP-L14 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRP-L14. It may not necessarily be applicable to this product.

NCBI GI #	55769543
NCBI GeneID	64928
NCBI Accession #	NP_115487.2
UniProt Primary Accession #	Q6P1L8
UniProt Secondary Accession #	Q96Q72; B2R575
UniProt Related Accession #	Q6P1L8
GenBank Nucleotide #	NM_032111.2
NCBI Official Full Name	39S ribosomal protein L14, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L14
NCBI Official Symbol	MRPL14
NCBI Official Synonym Symbols	L14mt; L32mt; MRPL32; RMPL32; RPML32; MRP-L14; MRP-L32
UniProt Protein Name	39S ribosomal protein L14, mitochondrial
UniProt Synonym Protein Names	39S ribosomal protein L32, mitochondrial
Protein Family	39S ribosomal protein
UniProt Gene Name	MRPL14
UniProt Synonym Gene Names	MRPL32; RPML32; L14mt; MRP-L14; L32mt; MRP-L32
UniProt Entry Name	RM14_HUMAN
NCBI Protein Information	39S ribosomal protein L14, mitochondrial; 39S ribosomal protein L32, mitochondrial
NCBI Summary for MRP-L14	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 at 17p13.3. [provided by RefSeq, Jul 2008]
UniProt Comments for MRP-L14	MRPL14: Forms part of 2 intersubunit bridges in the assembled ribosome. Upon binding to MALSU1 intersubunit bridge formation is blocked, preventing ribosome formation and repressing translation (Probable). Belongs to the ribosomal protein L14P family. Protein type: Translation Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: mitochondrial inner membrane; ribosome Molecular Function: structural constituent of ribosome Biological Process: mitochondrial translation; organelle organization and biogenesis
Research Articles on MRP-L14	**1.** Observational study of gene-disease association. (HuGE Navigator)
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.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/mrp-l14/9449940