MRP-L40 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRP-L40, Polyclonal Antibody
Full Product Name	MRP-L40 Polyclonal Antibody
Product Gene Name	anti-MRP-L40 antibody
Product Synonym Names	MRPL40; NLVCF; URIM; 39S ribosomal protein L40; mitochondrial; L40mt; MRP-L40; Nuclear localization signal-containing protein deleted in velocardiofacial syndrome; Up-regulated in metastasis
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	MRP-L40 Polyclonal Antibody detects endogenous levels of MRP-L40 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	24,490 Da
Chromosome Location	Chromosome: 22; NC_000022.10 (19420036..19423598). Location: 22q11.2
OMIM	605089
3D Structure	ModBase 3D Structure for Q9NQ50
Immunogen	Synthesized peptide derived from the Internal region of human MRP-L40.
Product Categories/Family for anti-MRP-L40 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MRP-L40 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-MRP-L40 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 ELISA: 1:40000
Related Product Information for anti-MRP-L40 antibody	MBS8592473 is an antibody targeting MRP-L40. Also known as MRP-L40 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-MRP-L40 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-L40. It may not necessarily be applicable to this product.

NCBI GI #	26638659
NCBI GeneID	64976

NCBI Accession #	NP_003767.2
UniProt Primary Accession #	Q9NQ50
UniProt Secondary Accession #	O95134; B3KVZ7
UniProt Related Accession #	Q9NQ50
GenBank Nucleotide #	NM_003776.2
NCBI Official Full Name	39S ribosomal protein L40, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L40
NCBI Official Symbol	MRPL40
NCBI Official Synonym Symbols	URIM; NLVCF; MRPL22; MRP-L22
UniProt Protein Name	39S ribosomal protein L40, mitochondrial
UniProt Synonym Protein Names	Nuclear localization signal-containing protein deleted in velocardiofacial syndrome; Up-regulated in metastasis
Protein Family	39S ribosomal protein
UniProt Gene Name	MRPL40
UniProt Synonym Gene Names	NLVCF; URIM; L40mt; MRP-L40
UniProt Entry Name	RM40_HUMAN
NCBI Protein Information	39S ribosomal protein L40, mitochondrial; L40mt; MRP-L40; up-regulated in metastasis; nuclear localization signal deleted in velocardiofacial syndrome; nuclear localization signal containing protein deleted in velocardiofacial syndrome; nuclear localizati
NCBI Summary for MRP-L40	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. Deletions in this gene may contribute to the etiology of velo-cardio-facial syndrome and DiGeorge syndrome. [provided by RefSeq, Jul 2008]
UniProt Comments for MRP-L40	MRPL40: Protein type: Mitochondrial Chromosomal Location of Human Ortholog: 22q11.2 Cellular Component: mitochondrion; mitochondrial inner membrane; mitochondrial ribosome; nucleolus; nucleus Biological Process: anatomical structure morphogenesis; mitochondrial translation; organelle organization and biogenesis
Research Articles on MRP-L40	**1.** Observational study of gene-disease association. (HuGE Navigator)
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