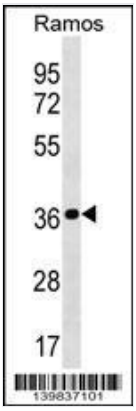
MRPL19 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPL19, Polyclonal Antibody
Full Product Name	MRPL19, NT (MRPL19, KIAA0104, MRPL15, 39S ribosomal protein L19, mitochondrial, 39S ribosomal protein L15, mitochondrial) (Biotin)
Product Gene Name	anti-MRPL19 antibody
Product Synonym Names	MRPL19; KIAA0104; MRPL15; 39S ribosomal protein L19, mitochondrial; 39S ribosomal protein L15, 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 Biotin.
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. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	33,535 Da
OMIM	611832
3D Structure	ModBase 3D Structure for P49406
Immunogen	MRPL19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-76 amino acids from the N-terminal region of human MRPL19.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-MRPL19 antibody	Antibodies; Mitochondrial Proteins
Applications Tested/Suitable for anti-MRPL19 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-MRPL19 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MRPL19 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 39S subunit protein. [provided by RefSeq].
Product References and Citations for anti-MRPL19 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Anthoni, H., et al. Hum. Mol. Genet. 16(6):667-677(2007). Hillier, L.W., et al. Nature 434(7034):724-731(2005). Zhang, Z., et al. Genomics 81(5):468-480(2003). Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001).

Other Notes	Small volumes of anti-MRPL19 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 MRPL19 purchase	MBS6322144 is an antibody targeting MRPL19. Also known as MRPL19, NT (MRPL19, KIAA0104, MRPL15, 39S ribosomal protein L19, mitochondrial, 39S ribosomal protein L15, mitochondrial) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MRPL19 antibody
MRPL19 Antibody (N-term) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the MRPL19 antibody detected the MRPL19 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPL19. It may not necessarily be applicable to this product.

NCBI GI #	94557305
NCBI GeneID	9801
NCBI Accession #	NP_055578.2
UniProt Primary Accession #	P49406
UniProt Secondary Accession #	Q53TX9; Q96Q52
UniProt Related Accession #	P49406
GenBank Nucleotide #	NM_014763.3
NCBI Official Full Name	39S ribosomal protein L19, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L19
NCBI Official Symbol	MRPL19
NCBI Official Synonym Symbols	RLX1; L19mt; MRPL15; RPML15; MRP-L15; MRP-L19
UniProt Protein Name	39S ribosomal protein L19, mitochondrial
UniProt Synonym Protein Names	39S ribosomal protein L15, mitochondrial; L15mt; MRP-L15
Protein Family	39S ribosomal protein
UniProt Gene Name	MRPL19
UniProt Synonym Gene Names	KIAA0104; MRPL15; L19mt; MRP-L19; L15mt; MRP-L15
UniProt Entry Name	RM19_HUMAN
NCBI Protein Information	39S ribosomal protein L19, mitochondrial; L15mt; 39S ribosomal protein L15, mitochondrial

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