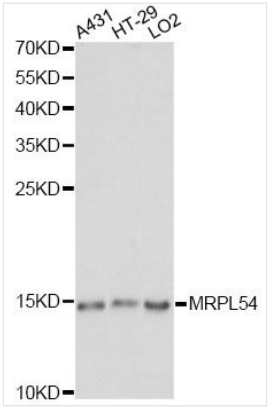
MRPL54 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MRPL54, Polyclonal Antibody
Full Product Name	MRPL54 Polyclonal Antibody
Product Gene Name	anti-MRPL54 antibody
Product Synonym Names	L54mt; MRP-L54
Immunogen Sequence	MATKRLFGAT RTWAGWGAWE LLNPATSGRL LARDYAKKPV MKGAKSGKGA VTSEALKDPD VCTDPVQLTT YAMGVNIYKE GQDVPLKPDA EYPEWLFEMN LGPPKTLEEL DPESREYWRR LRKQNIWRHN RLSKNKRL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated: 15kDa Observed: 15kDa
OMIM	BC065273 mRNA
3D Structure	ModBase 3D Structure for Q6P161
Immunogen	Recombinant protein of human MRPL54
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Mitochondrion
Positive Samples	A431, HT-29, LO2
Product Categories/Family for anti-MRPL54 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MRPL54 antibody	Western Blot (WB)
Application Notes for anti-MRPL54 antibody	WB: 1:500 - 1:2000
Related Product Information for anti-MRPL54 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.

Other Notes	Small volumes of anti-MRPL54 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 MRPL54 purchase	MBS9134948 is an antibody targeting MRPL54. Also known as MRPL54 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-MRPL54 antibody
Western blot analysis of extracts of various cell lines, using MRPL54 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRPL54. It may not necessarily be applicable to this product.

NCBI GI #	27436908
NCBI GeneID	116541
NCBI Accession #	NP_758455.1
UniProt Primary Accession #	Q6P161
UniProt Related Accession #	Q6P161
GenBank Nucleotide #	NM_172251.2
NCBI Official Full Name	39S ribosomal protein L54, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L54
NCBI Official Symbol	MRPL54
NCBI Official Synonym Symbols	L54mt; MRP-L54
UniProt Protein Name	39S ribosomal protein L54, mitochondrial
UniProt Synonym Protein Names	Mitochondrial large ribosomal subunit protein mL54
Protein Family	39S ribosomal protein
UniProt Gene Name	MRPL54
UniProt Synonym Gene Names	L54mt; MRP-L54
NCBI Protein Information	39S ribosomal protein L54, mitochondrial
Research Articles on MRPL54	**1.** Observational study of gene-disease association. (HuGE Navigator)

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