

Rabbit anti-Human RM33 Polyclonal Antibody | anti-MRPL33 antibody

RM33 Antibody (C-term)

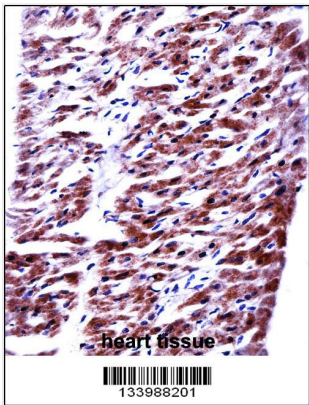
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286764	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

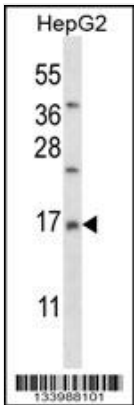
RM33; Polyclonal Antibody; RM33 Antibody (C-term); 39S ribosomal protein L33; mitochondrial; L33mt; MRP-L33; MRPL33; C2orf1; anti-MRPL33 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RM33 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-65 amino acids from the C-terminal region of human RM33.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	36-65
Sequence Length	54
Applicable Applications for anti-MRPL33 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
RM33 Antibody (C-term) (AAA286764)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RM33 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
RM33 Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the RM33 antibody detected the RM33 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL33 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. Alternatively spliced transcript variants encoding different isoforms have been described.
References	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) : Suzuki, T., et al. J. Biol. Chem. 276(24):21724-21736(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759048
NCBI GeneID	9553
NCBI Accession #	NP_004882.1; NP_663303.1
NCBI GenBank Nucleotide #	NM_004891.3
UniProt Accession #	O75394; Q53RZ6; Q5FVE3; Q96Q50
Molecular Weight	7619
NCBI Official Full Name	39S ribosomal protein L33, mitochondrial isoform a
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L33
NCBI Official Symbol	MRPL33
NCBI Official Synonym Symbols	L33mt; C2orf1; RPL33L; MRP-L33

NCBI Protein Information	39S ribosomal protein L33, mitochondrial
UniProt Protein Name	39S ribosomal protein L33, mitochondrial
UniProt Gene Name	MRPL33
UniProt Synonym Gene Names	C2orf1; L33mt; MRP-L33
UniProt Entry Name	RM33_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rm33-antibody-immunohistochemistry-western-blot-elisa/286764>