

Rabbit MRPL9 Polyclonal Antibody | anti-MRPL9 antibody

MRPL9 Antibody (N-term)

CATALOG # AAA290107	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Bovine)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	---	--

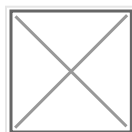
PRODUCT SYNONYMS

MRPL9; Polyclonal Antibody; MRPL9 Antibody (N-term); 39S ribosomal protein L9; mitochondrial; L9mt; MRP-L9; anti-MRPL9 antibody

PRODUCT SPECIFICATIONS

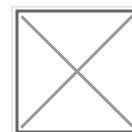
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MRPL9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-95 amino acids from the N-terminal region of human MRPL9.
Purity/Purification	Peptide 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	66-95
Sequence Length	267
Applicable Applications for anti-MRPL9 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.

IMAGES



IHC (Immunohistochemistry)

MRPL9 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MRPL9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

MRPL9 Antibody (N-term) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the MRPL9 antibody detected the MRPL9 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL9 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. A pseudogene corresponding to this gene is found at 8q21.11. [provided by RefSeq].
References	Naukkarinen, J., et al. PLoS Genet. 6 (6), E1000976 (2010) : Zhang, Z., et al. Genomics 81(5):468-480(2003) Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001) 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 #	13899231
NCBI GeneID	65005
NCBI Accession #	NP_113608.1
NCBI GenBank Nucleotide #	NM_031420.3
UniProt Accession #	Q9BYD2; Q5SZR2; Q9BSW8; B2RD99
Molecular Weight	30243
NCBI Official Full Name	39S ribosomal protein L9, mitochondrial isoform 1
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L9
NCBI Official Symbol	MRPL9
NCBI Official Synonym Symbols	L9mt
NCBI Protein Information	39S ribosomal protein L9, mitochondrial
UniProt Protein Name	39S ribosomal protein L9, mitochondrial
UniProt Gene Name	MRPL9
UniProt Synonym Gene Names	L9mt; MRP-L9
UniProt Entry Name	RM09_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.