Rabbit anti-Human, Rat MRPL42 Polyclonal Antibody | anti-MRPL42 antibody

MRPL42 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA175572	**Rabbit**	**Human, Rat**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

MRPL42; Polyclonal Antibody; MRPL42 Polyclonal Antibody; 28S ribosomal protein S32; 39S ribosomal protein L31; 39S ribosomal protein L42; HSPC204; L31mt; L42mt; Mitochondrial; Mitochondrial ribosomal protein L42; Mitochondrial ribosomal protein S32; MRP L31; MRP L42; MRP S32; MRP-L31; MRP-L42; MRP-S32; MRPL31; Mrpl42; MRPS32; PTD007; RM42; RPML31; S32mt; anti-MRPL42 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.05% NaN3 and 40% Glycerol, pH7.4
Concentration	1.14mg/mL (varies by lot)
Sequence Length	142
Applicable Applications for anti-MRPL42 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Fusion protein of human MRPL42
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES

IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using MRPL42 Polyclonal Antibody at dilution of 1:65(×200

IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using MRPL42 Polyclonal Antibody at dilution of 1:65(×200

WB (Western Blot)
Western blot analysis of Jurkat HepG2 Hela and Raji cell lysates using MRPL42 Polyclonal Antibody at dilution of 1:800

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL42 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 protein identified as belonging to both the 28S and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q.
Product Categories/Family for anti-MRPL42 antibody	Epigenetics and Nuclear Signaling; Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662637
NCBI GeneID	28977
NCBI Accession #	NP_054769.1; BC040240
NCBI GenBank Nucleotide #	NP_054769.1
UniProt Accession #	Q9Y6G3
Molecular Weight	17 kDa
NCBI Official Full Name	39S ribosomal protein L42, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L42
NCBI Official Symbol	MRPL42
NCBI Official Synonym Symbols	L31MT; L42MT; S32MT; MRPL31; MRPS32; PTD007; RPML31; HSPC204; MRP-L31; MRP-L42; MRP-S32
NCBI Protein Information	39S ribosomal protein L42, mitochondrial
UniProt Protein Name	39S ribosomal protein L42, mitochondrial
UniProt Gene Name	**MRPL42**
UniProt Synonym Gene Names	MRPL31; MRPS32; RPML31; L42mt; MRP-L42; MRP-S32; S32mt; L31mt; MRP-L31
UniProt Entry Name	RM42_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://stage.aaabiotech.com/polyclonal/mrpl42-antibody-immunohistochemistry-western-blot-elisa/175572