

Rabbit MRPL53 Polyclonal Antibody | anti-MRPL53 antibody

MRPL53 Antibody

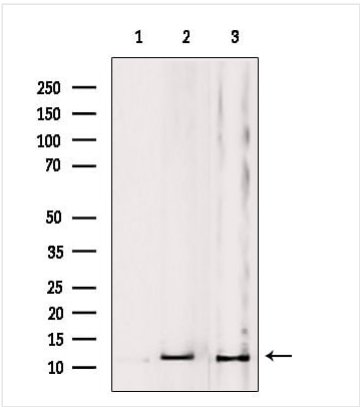
CATALOG # AAA327802	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

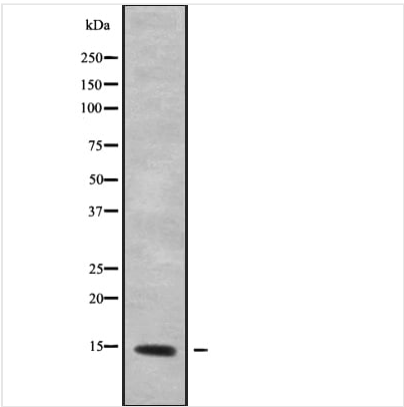
MRPL53; Polyclonal Antibody; MRPL53 Antibody; 39S ribosomal protein L53; L53mt; mitochondrial; MRP-L53; mrpl53; RM53_HUMAN; anti-MRPL53 antibody

PRODUCT SPECIFICATIONS

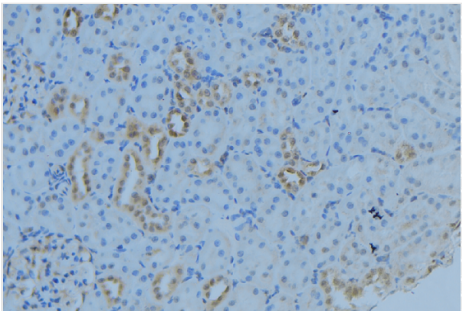
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPL53 antibody detects endogenous levels of total MRPL53
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	112
Applicable Applications for anti-MRPL53 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MRPL53
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit
Similarity	Bovine (92%), Horse (92%), Sheep (83%), Rabbit (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from various samples, using MRPL53 Antibody. Lane 1: Mouse Myeloma cell treated with blocking peptide. Lane 2: Mouse Myeloma cell; Lane 3: HeLa;



WB (Western Blot)
Western blot analysis of MRPL53 using HeLa whole cell lysates



IHC (Immunohistochemistry)
AAA327802 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL53 antibody	Subunit Structure: Component of the mitochondrial large ribosomal subunit (mt-LSU). Mature mammalian 55S mitochondrial ribosomes consist of a small (28S) and a large (39S) subunit. The 28S small subunit contains a 12S ribosomal RNA (12S mt-rRNA) and 30 different proteins. The 39S large subunit contains a 16S rRNA (16S mt-rRNA), a copy of mitochondrial valine transfer RNA (mt-tRNA(Val)), which plays an integral structural role, and 52 different proteins. mL53 is located at the L7/L12 stalk. Similarity: Belongs to the mitochondrion-specific ribosomal protein mL53 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16596694
NCBI GeneID	116540
NCBI Accession #	NP_444278.1
NCBI GenBank Nucleotide #	NM_053050.4
UniProt Accession #	Q96EL3
Molecular Weight	Observed: 12 kDa Predicted: 13 kDa
NCBI Official Full Name	39S ribosomal protein L53, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L53

NCBI Official Symbol	MRPL53
NCBI Official Synonym Symbols	L53MT
NCBI Protein Information	39S ribosomal protein L53, mitochondrial
UniProt Protein Name	39S ribosomal protein L53, mitochondrial
UniProt Gene Name	MRPL53
UniProt Synonym Gene Names	L53mt; MRP-L53

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/mrpl53-antibody-immunohistochemistry-western-blot-elisa/327802>