

Rabbit anti-Human MRPL53 Polyclonal Antibody | anti-MRPL53 antibody

[KD Validated] MRPL53 Rabbit pAb

CATALOG # AAA283287	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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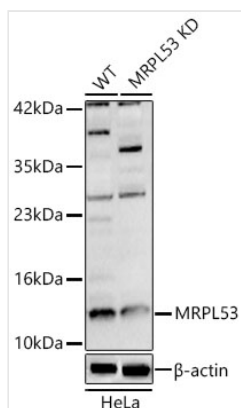
PRODUCT SYNONYMS

MRPL53; Polyclonal Antibody; [KD Validated] MRPL53 Rabbit pAb; mL53; L53MT; anti-MRPL53 antibody

PRODUCT SPECIFICATIONS

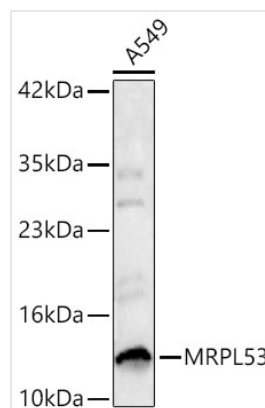
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MAAALARLGL RPVKQVRVQF CPFEKNVEST RTFLQTVSSE KVRSTNLNCS VIADVRHDGS EPCVDVLFGD GHRIMRGAAH LTALEMLTAF ASHIRARDAAG GSGDKPGADT GR
Applicable Applications for anti-MRPL53 antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-112 of human MRPL53 (NP_444278.1-).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and MRPL53 knockdown (KD) HeLa cells using [KD Validated] MRPL53 Rabbit pAb (AAA283287) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of lysates from A549 cells using [KD Validated] MRPL53 Rabbit pAb (AAA283287) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL53 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 on chromosome 1p.
Product Categories/Family for anti-MRPL53 antibody	Mitochondrial; Antibodies

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	Calculated MW: 12kDa Observed MW: 12kDa
UniProt Protein Name	39S ribosomal protein L53, mitochondrial
UniProt Gene Name	MRPL53
UniProt Synonym Gene Names	L53mt; MRP-L53
UniProt Entry Name	RM53_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/mrpl53-antibody-western-blot-elisa/283287>