

Rabbit anti-Human MRPL52 Polyclonal Antibody | anti-MRPL52 antibody

[KD Validated] MRPL52 Rabbit pAb

CATALOG # AAA283305	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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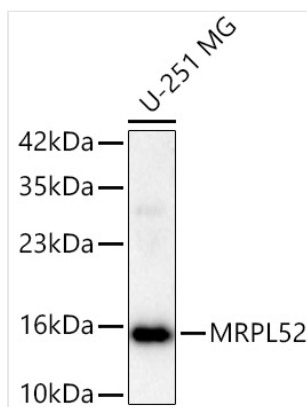
PRODUCT SYNONYMS

MRPL52; Polyclonal Antibody; [KD Validated] MRPL52 Rabbit pAb; mL52; 39S ribosomal protein L52; L52mt; MRP-L52; Mrpl52; RM52; anti-MRPL52 antibody

PRODUCT SPECIFICATIONS

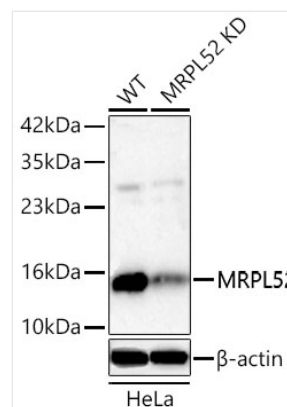
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	GGQWRLQQGL AANPSGYGPL TELPDWSYAD GRPAPPMKGQ LRRKAERETF ARRVLLSQE MDAGLQAWQL RQQLQEER KQENALKPKG ASLKSPLPSQ
Applicable Applications for anti-MRPL52 antibody	ELISA, WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 24-123 of human MRPL52 (NP_848026.1-).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from U-251 MG cells using [KD Validated] MRPL52 Rabbit pAb (AAA283305) 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: 45s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and MRPL52 knockdown (KD) HeLa cells using [KD Validated] MRPL52 Rabbit pAb (AAA283305) 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: 45s.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL52 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 which has no bacterial homolog. Multiple transcript variants encoding different protein isoforms were identified through sequence analysis.
Product Categories/Family for anti-MRPL52 antibody	Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	31083035
NCBI GeneID	122704
NCBI Accession #	NP_848026.1
NCBI GenBank Nucleotide #	NM_178336.2
UniProt Accession #	Q86TS9; Q6NVH8; A6NMQ8; A8MYI6; G3XCN9
Molecular Weight	Calculated MW: 14kDa Observed MW: 14kDa
UniProt Protein Name	39S ribosomal protein L52, mitochondrial
UniProt Gene Name	MRPL52
UniProt Synonym Gene Names	L52mt; MRP-L52
UniProt Entry Name	RM52_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/mrpl52-antibody-western-blot-elisa/283305>