

Rabbit anti-Human MRPL16 Polyclonal Antibody | anti-MRPL16 antibody

MRPL16 Rabbit pAb

CATALOG # AAA283231	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

MRPL16; Polyclonal Antibody; MRPL16 Rabbit pAb; L16mt; uL16m; MRP-L16; PNAS-111; anti-MRPL16 antibody

PRODUCT SPECIFICATIONS

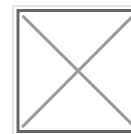
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MWRLARASA PLLRVPLSDS WALLPASAGV KTLTPVPSFE DVSIEPKPKL RFIERAPLVP KVRREPKNLS DIRGPSTEAT EFTEGNFAL ALGGGYLHWG
Applicable Applications for anti-MRPL16 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MRPL16(NP_060310.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Hep G2 cells using MRPL16 Rabbit pAb (AAA283231) 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: 30s.



WB (Western Blot)

Western blot analysis of lysates from Mouse heart using MRPL16 Rabbit pAb (AAA283231) 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-MRPL16 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.

Product Categories/Family for anti-MRPL16 antibody	Ribonucleoprotein; Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8923448
NCBI GeneID	54948
NCBI Accession #	NP_060310.1
NCBI GenBank Nucleotide #	NM_017840.3
UniProt Accession #	Q9NX20; Q9BYD0; Q9HB70
Molecular Weight	Calculated MW: 28kDa Observed MW: 28kDa
UniProt Protein Name	39S ribosomal protein L16, mitochondrial
UniProt Gene Name	MRPL16
UniProt Synonym Gene Names	L16mt; MRP-L16
UniProt Entry Name	RM16_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/mrpl16-antibody-western-blot-elisa/283231>