

Rabbit MRPL16 Polyclonal Antibody | anti-MRPL16 antibody

MRPL16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324345	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

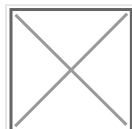
PRODUCT SYNONYMS

MRPL16; Polyclonal Antibody; MRPL16 Antibody; 39S ribosomal protein L16; 39S ribosomal protein L16 mitochondrial; L16mt; mitochondrial; Mitochondrial ribosomal protein L16; MRP-L16; Mrpl16; PNAS 111; RM16_HUMAN; anti-MRPL16 antibody

PRODUCT SPECIFICATIONS

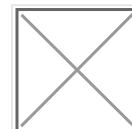
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPL16 antibody detects endogenous levels of total MRPL16
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	251
Applicable Applications for anti-MRPL16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (87%), Horse (100%), Sheep (93%), Rabbit (93%), Dog (87%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324345 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293 cells, using MRPL16 antibody.



WB (Western Blot)

Western blot analysis of extracts from 293, using MRPL16 Antibody. Lane 1 was treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of MRPL16 expression in various lysates



IHC (Immunohistochemistry)

AAA324345 at 1/100 staining Mouse muscle 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-MRPL16 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.

Similarity: Belongs to the universal ribosomal protein uL16 family.

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	Observed: 28 kD Predicted: 29 kDa
NCBI Official Full Name	39S ribosomal protein L16, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L16
NCBI Official Symbol	MRPL16
NCBI Official Synonym Symbols	L16mt; MRP-L16; PNAS-111
NCBI Protein Information	39S ribosomal protein L16, mitochondrial
UniProt Protein Name	39S ribosomal protein L16, mitochondrial
UniProt Gene Name	MRPL16
UniProt Synonym Gene Names	L16mt; MRP-L16

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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324345>