

Rabbit MRPL14 Polyclonal Antibody | anti-MRPL14 antibody

MRPL14 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324343	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MRPL14; Polyclonal Antibody; MRPL14 Antibody; 1110006I11Rik; 39S ribosomal protein L14; 39S ribosomal protein L14 mitochondrial; 39S ribosomal protein L32; A1846816; L14mt; L32mt; mitochondrial; MRP L14; MRP L32; MRP-L14; MRP-L32; mrpl14; RM14_HUMAN; anti-MRPL14 antibody

PRODUCT SPECIFICATIONS

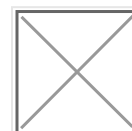
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPL14 antibody detects endogenous levels of total MRPL14
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	145
Applicable Applications for anti-MRPL14 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Zebrafish, Bovine, Horse, Sheep, Dog
Similarity	Zebrafish (83%), Bovine (83%), Horse (83%), Sheep (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324343 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 HeLa cells using MRPL14 antibody.



WB (Western Blot)

Western blot analysis of extracts from 293, using MRPL14 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL14 antibody	Function: Forms part of 2 intersubunit bridges in the assembled ribosome. Upon binding to MALSU1 intersubunit bridge formation is blocked, preventing ribosome formation and repressing translation (Probable). 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 (PubMed:25278503, PubMed:25838379). Interacts with MALSU1 (PubMed:22829778). Similarity: Belongs to the universal ribosomal protein uL14 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	974005256
NCBI GeneID	64928
NCBI Accession #	NP_001305696.1
NCBI GenBank Nucleotide #	NM_001318767.1
UniProt Accession #	Q6P1L8; Q96Q72; B2R575
Molecular Weight	Observed: 16 kD Predicted: 16 kDa
NCBI Official Full Name	39S ribosomal protein L14, mitochondrial isoform a
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L14
NCBI Official Symbol	MRPL14
NCBI Official Synonym Symbols	L14mt; L32mt; MRPL32; RMPL32; RPML32; MRP-L14; MRP-L32
NCBI Protein Information	39S ribosomal protein L14, mitochondrial
UniProt Protein Name	39S ribosomal protein L14, mitochondrial
UniProt Gene Name	MRPL14
UniProt Synonym Gene Names	MRPL32; RPML32; L14mt; MRP-L14; L32mt; MRP-L32

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/mrpl14-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324343>