Rabbit anti-Human MRPL18 Polyclonal Antibody | anti-MRPL18 antibody

MRPL18 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324346	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

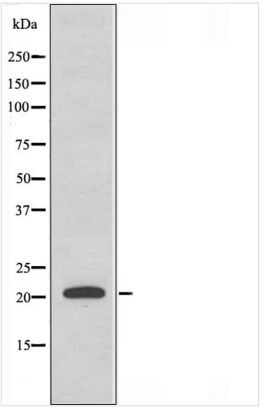
PRODUCT SYNONYMS

MRPL18; Polyclonal Antibody; MRPL18 Antibody; 39S ribosomal protein L18; 39S ribosomal protein L18 mitochondrial; mitochondrial precursor; HSPC071; L18mt; mitochondrial; Mitochondrial ribosomal protein L18; Mitochondrial ribosomal protein L18 (MRPL18 protein); MRP-L18; Mrpl18; RM18_HUMAN; RP1 195P10.3 001; anti-MRPL18 antibody

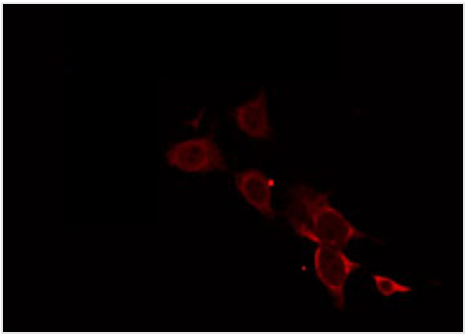
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPL18 antibody detects endogenous levels of total MRPL18
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	129
Applicable Applications for anti-MRPL18 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken**
Similarity	Pig (100%), Zebrafish (89%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using MRPL18 antibody.



IF (Immunofluorescence)
AAA324346 staining HT29 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.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPL18 antibody	Function: Together with thiosulfate sulfurtransferase (TST), acts as a mitochondrial import factor for the cytosolic 5S rRNA. The precursor form shows RNA chaperone activity; is able to fold the 5S rRNA into an import-competent conformation that is recognized by rhodanese (TST). Both the cytoplasmic and mitochondrial forms are able to bind to the helix IV-loop D in the gamma domain of the 5S rRNA. 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 uL18 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	974005338
NCBI GeneID	29074
NCBI Accession #	NP_001305746.1
NCBI GenBank Nucleotide #	NM_001318817.1
UniProt Accession #	Q9H0U6; Q5TAP9; Q9NZW8
Molecular Weight	Observed: 21 kD Predicted: 21 kDa
NCBI Official Full Name	39S ribosomal protein L18, mitochondrial isoform 2
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L18
NCBI Official Symbol	MRPL18
NCBI Official Synonym Symbols	L18mt; HSPC071; MRP-L18
NCBI Protein Information	39S ribosomal protein L18, mitochondrial
UniProt Protein Name	39S ribosomal protein L18, mitochondrial
UniProt Gene Name	**MRPL18**
UniProt Synonym Gene Names	L18mt; MRP-L18

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/mrpl18-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324346