Rabbit anti-Human MRPS27 Polyclonal Antibody | anti-MRPS27 antibody

MRPS27 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324833	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

PRODUCT SYNONYMS

MRPS27; Polyclonal Antibody; MRPS27 Antibody; 28S ribosomal protein S27; mitochondrial; KIAA0264; Mitochondrial 28S ribosomal protein S27; mitochondrial ribosomal protein S27; MRP-S27; RT27_HUMAN; S27mt; anti-MRPS27 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPS27 antibody detects endogenous levels of total MRPS27
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	428
Applicable Applications for anti-MRPS27 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Tissue Specificity	Overexpressed in hepatocellular carcinoma tissues compared with adjacent non-tumoral liver tissues (at protein level) (PubMed:28714366). Ubiquitous (PubMed:22841715).
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog**
Similarity	Pig (91%), Bovine (82%), Horse (91%), Sheep (91%), Rabbit (82%), Dog (91%)
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 HeLa cells using MRPS27 antibody.

IF (Immunofluorescence)
AAA324833 staining HeLa 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-MRPS27 antibody	Function: RNA-binding component of the mitochondrial small ribosomal subunit (mt-SSU) that plays a role in mitochondrial protein synthesis (PubMed:22841715). Stimulates mitochondrial mRNA translation of subunit components of the mitochondrial electron transport chain (PubMed:22841715). Binds to the mitochondrial 12S rRNA (12S mt-rRNA) and tRNA(Glu) (PubMed:22841715). Involved also in positive regulation of cell proliferation and tumor cell growth (PubMed:28714366). Subunit Structure: Component of the mitochondrial small ribosomal subunit (mt-SSU) (PubMed:22841715, PubMed:25838379). Mature mammalian 55S mitochondrial ribosomes consist of a small (28S) and a large (39S) subunit (PubMed:25838379). The 28S small subunit contains a 12S ribosomal RNA (12S mt-rRNA) and 30 different proteins (PubMed:25838379). 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:25838379). Interacts with NOA1 (PubMed:19103604). Similarity: Belongs to the mitochondrion-specific ribosomal protein mS27 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	557948093
NCBI GeneID	23107
NCBI Accession #	NP_001273677.1
NCBI GenBank Nucleotide #	NM_001286748.1
UniProt Accession #	Q92552; Q6P1S1; B4DRT2
Molecular Weight	Observed: 48 kD Predicted: 48 kDa
NCBI Official Full Name	28S ribosomal protein S27, mitochondrial isoform 1
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S27
NCBI Official Symbol	MRPS27
NCBI Official Synonym Symbols	S27mt; MRP-S27
NCBI Protein Information	28S ribosomal protein S27, mitochondrial
UniProt Protein Name	28S ribosomal protein S27, mitochondrial
UniProt Gene Name	**MRPS27**
UniProt Synonym Gene Names	KIAA0264; MRP-S27; S27mt

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/mrps27-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324833