

Rabbit MRPS7 Polyclonal Antibody | anti-MRPS7 antibody

MRPS7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324335	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MRPS7; Polyclonal Antibody; MRPS7 Antibody; 28S ribosomal protein S7; mitochondrial precursor; 30S ribosomal protein S7 homolog; bMRP 27a; bMRP-27a; bMRP27a; mitochondrial; Mitochondrial ribosomal protein S7; MRP S; MRP S7; MRP-S7; MRPS; mrps7; RP S7; RPMS7; RPS7; RT07_HUMAN; S7mt; anti-MRPS7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPS7 antibody detects endogenous levels of total MRPS7
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	242
Applicable Applications for anti-MRPS7 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Pig, Horse, Dog
Similarity	Pig (83%), Horse (83%), Dog (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 rat tongue cells, using MRPS7 antibody.



IHC (Immunohistochemistry)

AAA324335 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-MRPS7 antibody	Subunit Structure: Component of the mitochondrial small ribosomal subunit (mt-SSU), essential for mitochondrial protein synthesis (PubMed:25556185, PubMed:25838379). 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:25838379). Similarity: Belongs to the universal ribosomal protein uS7 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	186928852
NCBI GeneID	51081
NCBI Accession #	NP_057055.2
NCBI GenBank Nucleotide #	NM_015971.3
UniProt Accession #	Q9Y2R9; Q53GD6; B2R9N5
Molecular Weight	Observed: 24 kD Predicted: 29 kDa
NCBI Official Full Name	28S ribosomal protein S7, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S7
NCBI Official Symbol	MRPS7
NCBI Official Synonym Symbols	S7mt; MRP-S; RP-S7; RPMS7; MRP-S7; COXPD34; bMRP27a
NCBI Protein Information	28S ribosomal protein S7, mitochondrial
UniProt Protein Name	28S ribosomal protein S7, mitochondrial
UniProt Gene Name	MRPS7
UniProt Synonym Gene Names	bMRP27a

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.