

Rabbit MRPS7 Polyclonal Antibody | anti-MRPS7 antibody

MRPS7 Rabbit pAb

CATALOG # AAA281748	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

MRPS7; Polyclonal Antibody; MRPS7 Rabbit pAb; MRP-S; MRP-S7; RP-S7; RPMS7; S7mt; bMRP27a; anti-MRPS7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	LMIQTLEAVK RKQFEKYHAA SAEEQATIER NPYTIFHQAL KNCEPMIGLV PILKGGRFYQ VPVPLPDRRR RFLAMKWMIT E
Applicable Applications for anti-MRPS7 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 110-190 of human MRPS7 (NP_057055.2).
Positive Samples	HepG2, A-549, HT-29, Mouse liver, Mouse kidney, Rat liver, Rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



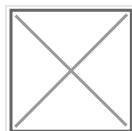
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using MRPS7 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



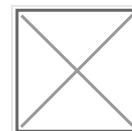
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using MRPS7 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using MRPS7 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MRPS7 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS7 antibody	Background: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to this gene are found on chromosomes 8p and 12p.
Product Categories/Family for anti-MRPS7 antibody	Epigenetics & Nuclear Signaling; RNA Binding; Research; Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial markers; Research; Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial translation

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	28,134 Da
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; bMRP27a
NCBI Protein Information	28S ribosomal protein S7, mitochondrial; bMRP-27a; 30S ribosomal protein S7 homolog
UniProt Protein Name	28S ribosomal protein S7, mitochondrial
UniProt Gene Name	MRPS7
UniProt Synonym Gene Names	MRP-S7; S7mt; bMRP27a
UniProt Entry Name	RT07_HUMAN

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/mrps7-antibody-immunofluorescence-western-blot-elisa/281748>