

Rabbit anti-Human MRPS11 Polyclonal Antibody | anti-MRPS11 antibody

MRPS11 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283238	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

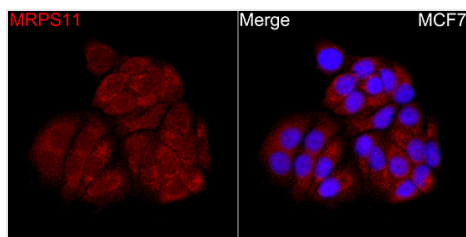
PRODUCT SYNONYMS

MRPS11; Polyclonal Antibody; MRPS11 Rabbit pAb; HCC-2; MRP-S11; S11mt; mitochondrial ribosomal protein S11; anti-MRPS11 antibody

PRODUCT SPECIFICATIONS

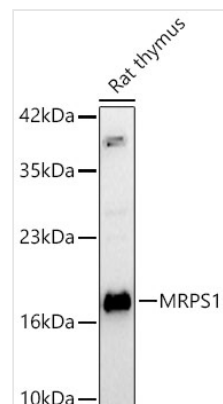
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	TQIQVVSASN EPLAFASCGT EGFRNAKKGT GIAAQTAGIA AAARAKQKGV IHIRVVVKGL GPGRLSAMHG LIMGGLEVIS ITDNTPIPHN GCRPRKARKL
Applicable Applications for anti-MRPS11 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 95-194 of human MRPS11(NP_001308899.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cells using MRPS11 Rabbit pAb(AAA283238) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from Rat thymus using MRPS11 Rabbit pAb (AAA283238) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug 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-MRPS11 antibody	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 that contains a high level of sequence similarity with ribosomal protein S11P family members. A pseudogene corresponding to this gene is found on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-MRPS11 antibody	Epigenetics & Nuclear Signaling; RNA Binding; Endocrine & Metabolism; Mitochondrial metabolism; Mitochondrial markers; Mitochondrial translation; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	16554609
NCBI GeneID	64963
NCBI Accession #	NP_073750.2
NCBI GenBank Nucleotide #	NM_022839.3
UniProt Accession #	P82912; Q969D7; Q96GI3; Q9BYC3; B2RD52
Molecular Weight	Calculated MW: 16kDa/20kDa Observed MW: 17kDa
UniProt Protein Name	28S ribosomal protein S11, mitochondrial
UniProt Gene Name	MRPS11
UniProt Synonym Gene Names	RPMS11; MRP-S11; S11mt; HCC-2
UniProt Entry Name	RT11_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://www.aaabiotech.com/polyclonal/mrps11-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283238>