

Rabbit anti-Human MRPS23 Polyclonal Antibody | anti-MRPS23 antibody

MRPS23 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283284	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

MRPS23; Polyclonal Antibody; MRPS23 Rabbit pAb; CGI-138; COXPD46; HSPC329; MRP-S23; anti-MRPS23 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	MAGSRLETVG SIFSRTRDLV RAGVLKEKPL WFDVYDAFPP LREPVFQRPR VRYGKAKAPI QDIWYHEDRI RAKFYSVYGS GQRAFDLFNP NFKSTCQRFV EKYTELQKLG ETDEEKLFEV TGKALLAEGV ILRRVGEART QHGGSHVSRK SEHLSVRPQT ALEENETQKE VPQDQHLEAP ADQSKGLLPP
Applicable Applications for anti-MRPS23 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant Protein corresponding to a sequence within amino acids 1-190 of human MRPS23 (NP_057154.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



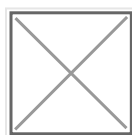
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using MRPS23 Rabbit pAb (AAA283284) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



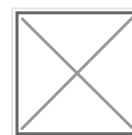
IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cells using MRPS23 Rabbit pAb (AAA283284) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using MRPS23 Rabbit pAb (AAA283284) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of various lysates using MRPS23 Rabbit pAb (AAA283284) 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: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS23 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. A pseudogene corresponding to this gene is found on chromosome 7p.
Product Categories/Family for anti-MRPS23 antibody	Epigenetics Nuclear Signaling ; RNA Binding ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	16554604
NCBI GeneID	51649
NCBI Accession #	NP_057154.2
NCBI GenBank Nucleotide #	NM_016070.3
UniProt Accession #	Q9Y3D9 ; Q96Q24 ; Q9BWH8 ; Q9P053 ; B2R6V3
Molecular Weight	Calculated MW: 22kDa Observed MW: 23kDa
UniProt Protein Name	28S ribosomal protein S23, mitochondrial
UniProt Gene Name	MRPS23
UniProt Synonym Gene Names	MRP-S23; S23mt
UniProt Entry Name	RT23_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/mrps23-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283284>