

Rabbit anti-Human MRPS18C Polyclonal Antibody | anti-MRPS18C antibody

[KD Validated] MRPS18C Rabbit pAb

CATALOG # AAA283233	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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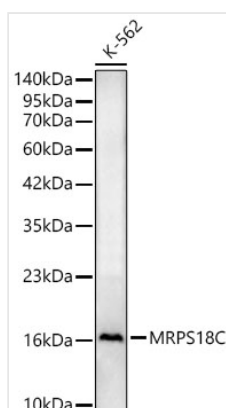
PRODUCT SYNONYMS

MRPS18C; Polyclonal Antibody; [KD Validated] MRPS18C Rabbit pAb; bS18m; CGI-134; S18mt-c; MRPS18-1; mrps18-c; MRP-S18-1; MRP-S18-c; anti-MRPS18C antibody

PRODUCT SPECIFICATIONS

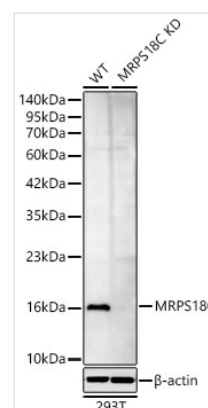
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MAAVVAVCGG LGRKKLTHLV TAAVSLTHPG THTVLWRRGC SQQVSSNEDL PISMENPYKE PLKKCILCGK HVDYKNVQLL SQFVSPFTGC IYGRHITGLC
Applicable Applications for anti-MRPS18C antibody	ELISA, WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MRPS18C(NP_057151.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from K-562 cells using [KD Validated] MRPS18C Rabbit pAb (AAA283233) 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: 60s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and MRPS18C knockdown (KD) 293T cells using [KD Validated] MRPS18C Rabbit pAb (AAA283233) 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: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS18C 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 belongs to the ribosomal protein S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 8p, 12p, 15q, and 22q.
Product Categories/Family for anti-MRPS18C antibody	Ribonucleoprotein; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705630
NCBI GeneID	51023
NCBI Accession #	NP_057151.1
NCBI GenBank Nucleotide #	NM_016067.2
UniProt Accession #	Q9Y3D5
Molecular Weight	Calculated MW: 15kDa Observed MW: 16kDa
UniProt Protein Name	28S ribosomal protein S18c, mitochondrial
UniProt Gene Name	MRPS18C
UniProt Synonym Gene Names	MRP-S18-c; Mrps18-c; S18mt-c; MRP-S18-1
UniProt Entry Name	RT18C_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.