

Product datasheet for **TA345078**

MRPS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-MRPS2 antibody: synthetic peptide directed towards the middle region of human MRPS2. Synthetic peptide located within the following region: VHLYCRLFQTAITRAKEKRQQVEALYRLQGQKEPGDQGPAHPPGADMSSH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	mitochondrial ribosomal protein S2
Database Link:	NP_057118 Entrez Gene 51116 Human Q9Y399



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Background:

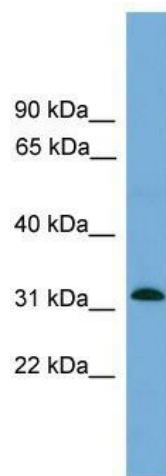
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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 that belongs to the ribosomal protein S2 family. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]

Synonyms:

CGI-91; MRP-S2; S2mt

Note:

Immunogen Sequence Homology: Human: 100%

Product images:

WB Suggested Anti-MRPS2 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive
Control: MCF7 cell lysate MRPS2 is supported by
BioGPS gene expression data to be expressed in
MCF7