

Datasheet for ABIN2774354
anti-MRPS18B antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MRPS18B
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Rabbit, Cow, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS18B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	SVPISPYKDE PWKYLESEEEY QERYGSRPVW ADYRRNHKGG VPPQRTRKTC
Predicted Reactivity:	Cow: 79%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Mouse: 79%, Rabbit: 86%, Rat: 86%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against MRPS18B. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MRPS18B
Alternative Name:	MRPS18B (MRPS18B Products)
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein

Target Details

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.

Alias Symbols: C6orf14, DKFZp564H0223, HSPC183, HumanS18a, MRP-S18-2, MRPS18-2, PTD017, S18amt

Protein Interaction Partner: TUBGCP4, CEP250, TUBGCP3, VCP, TP53, NEDD1, UBC, PARK2, EXOSC6, EWSR1, mug82, ICT1, EBNA3B, RB1, MRPS9, MRPS26, MRPS25, MRPS35, MRPS22, UBR5, MRPS28, QARS, MYH9, KARS, HNRNPAB, FUS, CAND1, CUL3, Ybx1, NFKBIL1, Protein Size: 258

Molecular Weight:	28 kDa
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Gene ID:	28973
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NCBI Accession:	NM_014046 , NP_054765
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UniProt:	Q9Y676
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 258 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #103540 for Western Blotting (WB)

