

Datasheet for ABIN2774558
anti-MRPS18C antibody (N-Term)[Go to Product page](#)

1 Image

Overview

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| Quantity: | 100 µL |
| Target: | MRPS18C |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MRPS18C antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the N-terminal region of Human MRPS18C |
| Sequence: | GTHTVLWRRG CSQQVSSNED LPISMENPYK EPLKKCILCG KHV DYK NVQL |
| Predicted Reactivity: | Human: 100%, Rat: 75% |
| Characteristics: | This is a rabbit polyclonal antibody against MRPS18C. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

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| Target: | MRPS18C |
| Alternative Name: | MRPS18C (MRPS18C Products) |

Target Details

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| Background: | <p>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.</p> <p>Alias Symbols: MRP-S18-1, MRPS18-1</p> <p>Protein Interaction Partner: LIG4, UBC,</p> <p>Protein Size: 142</p> |
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|-------------------|--------|
| Molecular Weight: | 15 kDa |
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| Gene ID: | 51023 |
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| NCBI Accession: | NM_016067 , NP_057151 |
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| UniProt: | Q9Y3D5 |
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Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | 1 mg/mL |
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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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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Handling Advice: | Avoid repeat freeze-thaw cycles. |
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| Storage: | -20 °C |
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Handling

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 #100039 for Immunocytochemistry (ICC)



Host: Rabbit
Target Name: MRPS18C
Sample Tissue: Hela Cell Lysate
Antibody Dilution: 1.0µg/ml

Western Blotting

Image 1. Host: Rabbit Target Name: MRPS18C Sample Type: Hela Whole Cell lysates Antibody Dilution: 1.0ug/ml