

Datasheet for ABIN657049
anti-MRPL41 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---------------------------------------|
| Quantity: | 400 µL |
| Target: | MRPL41 |
| Binding Specificity: | AA 8-36, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MRPL41 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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|---------------|---|
| Immunogen: | This MRPL41 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-36 amino acids from the N-terminal region of human MRPL41. |
| Clone: | RB32379 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|---|
| Target: | MRPL41 |
| Alternative Name: | MRPL41 (MRPL41 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 39S subunit protein that belongs to the YmL27 ribosomal protein family.

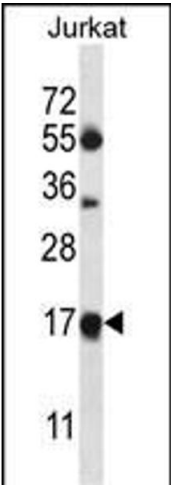
| | |
|-------------------|-------------------------------|
| Molecular Weight: | 15383 |
| NCBI Accession: | NP_115866 |
| UniProt: | Q8IXM3 |
| Pathways: | p53 Signaling |

Application Details

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|--------------------|-----------------------|
| Application Notes: | WB: 1:1000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |



Western Blotting

Image 1. MRPL41 Antibody (N-term) (ABIN657049 and ABIN2846216) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the MRPL41 antibody detected the MRPL41 protein (arrow).