

# MRPL12 Antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI15277

## Product Information

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|-------------------|-------------------------------------------------------|
| Application       | WB                                                    |
| Primary Accession | <a href="#">P52815</a>                                |
| Other Accession   | <a href="#">NM_002949</a> , <a href="#">NP_002940</a> |
| Reactivity        | Human, Dog                                            |
| Predicted         | Human, Dog                                            |
| Host              | Rabbit                                                |
| Clonality         | Polyclonal                                            |
| Calculated MW     | 21348                                                 |

## Additional Information

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| Gene ID                     | 6182                                                                                                                                                                                            |
| Alias Symbol<br>Other Names | 5c5-2, FLJ60124, L12mt, MGC8610, MRP-L31/34, MRPL7, MRPL7/L12, RPML12<br>39S ribosomal protein L12, mitochondrial, L12mt, MRP-L12, 5c5-2, MRPL12, RPML12                                        |
| Format                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                               |
| Reconstitution & Storage    | Add 50 ul of distilled water. Final anti-MRPL12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions                 | MRPL12 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                               |

## Protein Information

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| Name              | MRPL12                                                                                                                                                                                                                                                                                                                                                                                                             |
| Synonyms          | MRPL7, RPML12                                                                                                                                                                                                                                                                                                                                                                                                      |
| Function          | As a component of the mitochondrial large ribosomal subunit, plays a role in mitochondrial translation (PubMed: <a href="#">23603806</a> ). When present in mitochondria as a free protein not associated with the ribosome, associates with mitochondrial RNA polymerase POLRMT to activate transcription (PubMed: <a href="#">22003127</a> ). Required for POLRMT stability (PubMed: <a href="#">26586915</a> ). |
| Cellular Location | Mitochondrion matrix                                                                                                                                                                                                                                                                                                                                                                                               |

## References

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Marty L.,et al.J. Biol. Chem. 271:11468-11476(1996).

Liu J.,et al.Submitted (APR-1998) to the EMBL/GenBank/DDBJ databases.

Ma F.-R.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.

Tang T.,et al.J. Biol. Chem. 284:5414-5424(2009).

Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

## Images

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WB Suggested Anti-MRPL12 Antibody Titration: 1.0 µg/ml  
Positive Control: U937 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.