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# MTRF1L Rabbit pAb

Catalog # AP98345

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q9UGC7 |
| **Other Accession** | Q9UGC7 |
| **Reactivity** | Mouse |
| **Predicted** | Rat, Pig, Human, Rabbit, Dog, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 43600 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human MTRF1L |
| **Epitope Specificity** | 301-380/380 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the prokaryotic/mitochondrial release factor family. |
| **Post-translational modifications** | Methylation of glutamine in the GGQ triplet is conserved from bacteria to mammals. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Mitochondrial DNA encodes 13 proteins that play essential roles in the respiratory chain, while all proteins involved in mitochondrial translation are encoded by nuclear genes that are imported from the cytoplasm. MTRF1L is a nuclear-encoded protein that functions as a releasing factor that recognizes termination codons and releases mitochondrial ribosomes from the synthesized protein (summary by Nozaki et al., 2008 [PubMed 18429816]).[supplied by OMIM, Nov 2010] |

## Additional Information

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| **Gene ID** | 54516 |
| **Other Names** | HMRF1L; MRF1L; mtRF1a; RF1ML_HUMAN; MTRF1L; Mitochondrial translational release factor 1-like; mitochondrial translation release factor 1 like; mitochondrial translational release factor 1 like |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | MTRF1L ( HGNC:21051) |
| **Function** | Mitochondrial peptide chain release factor that directs the termination of translation in response to the peptide chain termination codons UAA and UAG. |
| **Cellular Location** | Mitochondrion. |
| **Tissue Location** | Expressed in skeletal muscle (at protein level). |

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