# MRRF Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | MRRF, Polyclonal Antibody |
| **Full Product Name** | MRRF (Ribosome-Recycling Factor, Mitochondrial, RRF, Ribosome-Releasing Factor, Mitochondrial, MRRF) (AP) |
| **Product Gene Name** | anti-MRRF antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase. |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes MRRF. Species Crossreactivity: human, mouse |
| **Preparation and Storage** | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 23,511 Da |
| **OMIM** | 604602 |
| **3D Structure** | ModBase 3D Structure for Q96E11 |
| **Immunogen** | Synthetic peptide corresponding to human MRRF. |
| **Conjugate** | AP |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-MRRF antibody** | Antibodies; Mitochondrial Proteins |
| **Applications Tested/Suitable for anti-MRRF antibody** | Western Blot (WB) |
| **Application Notes for anti-MRRF antibody** | WB: 1:1000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-MRRF antibody** | MBS6457394 is an antibody targeting MRRF. Also known as MRRF (Ribosome-Recycling Factor, Mitochondrial, RRF, Ribosome-Releasing Factor, Mitochondrial, MRRF) (AP). Reactive in Human, Mouse. Host: Rabbit. |
| **Product References and Citations for anti-MRRF antibody** | Ota T., et al. Nat. Genet. 36:40-45(2004). Humphray S.J., et al. Nature 429:369-374(2004). Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Zhang Y., et al. Biochim. Biophys. Acta 1443:245-250(1998). Burkard T.R., et al. BMC Syst. Biol. 5:17-17(2011). |
| **Other Notes** | Small volumes of anti-MRRF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MRRF. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 291042689 |
| **NCBI GeneID** | 92399 |
| **NCBI Accession #** | NP_001166983.1 |
| **UniProt Primary Accession #** | Q96E11 |
| **UniProt Secondary Accession #** | Q5RKT1; Q5T7T0; Q5T7T1; Q5T7T2; Q5T7T3; Q5T7T4; Q5T7T5; A8K6D8; A8K6Z4; B7Z4X5; B7Z6P7 |
| **UniProt Related Accession #** | Q96E11 |
| **GenBank Nucleotide #** | NM_001173512.1 |
| **NCBI Official Full Name** | ribosome-recycling factor, mitochondrial isoform 3 |
| **NCBI Official Synonym Full Names** | mitochondrial ribosome recycling factor |
| **NCBI Official Symbol** | MRRF |
| **NCBI Official Synonym Symbols** | RRF; MRFF; MTRRF |
| **UniProt Protein Name** | Ribosome-recycling factor, mitochondrial |
| **UniProt Synonym Protein Names** | Ribosome-releasing factor, mitochondrial |
| **UniProt Gene Name** | MRRF |
| **UniProt Synonym Gene Names** | RRF |
| **UniProt Entry Name** | RRFM_HUMAN |
| **NCBI Protein Information** | ribosome-recycling factor, mitochondrial; ribosome-releasing factor, mitochondrial |
| **UniProt Comments for MRRF** | MRRF: Responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. May increase the efficiency of translation by recycling ribosomes from one round of translation to another. Belongs to the RRF family. 8 isoforms of the human protein are produced by alternative splicing.<br><br>Chromosomal Location of Human Ortholog: 9q33.2<br><br>Cellular Component: mitochondrial matrix<br><br>Biological Process: mitochondrial translation; organelle organization and biogenesis; ribosome disassembly |
| **Research Articles on MRRF** | **1.** Observational study of gene-disease association. (HuGE Navigator) |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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