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# **Human MRRF antibody**

Catalog Number: ATGA0237

# **PRODUCT INFORMATION**

#### Catalog number

ATGA0237

#### Clone No.

AT7D10

# **Product type**

Monoclonal Antibody

#### UnitProt No.

Q96E11

#### **NCBI Accession No.**

NP 620132

#### **Alternative Names**

Ribosome-recycling factor mitochondrial isoform 1, Ribosome-recycling factor, mitochondrial isoform 1, MRFF, MTRRF, RRF

# **PRODUCT SPECIFICATION**

#### **Antibody Host**

Mouse

# **Reacts With**

Human

# Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

# **Immunogen**

Recombinant human MRRF (56-262aa) purified from E. coli

### Isotype

IgG1 kappa

#### **Purification Note**

By protein-A affinity chromatography

# **Application**

ELISA, WB

#### **Usage**

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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#### **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

# **Description**

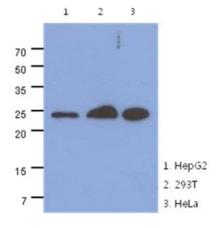
Mitochondrial ribosome recycling factor, also known as MRRF, is a 262 amino acid protein that belongs to the ribosome recycling factor (RRF) family. Localized to mitochondria, MRRF is responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. It may increase the efficiency of translation by recycling ribosomes from one round of translation to another. MRRF belongs to the RRF family. 8 isoforms of the human protein are produced by alternative splicing.

#### **General References**

Checcarelli, N. et al. (May 1994). J Neurol Sci. 123(1-2):74-9. Janosi, L. et al. (1996). Biochimie. 78(11-12):959-69. Zavialov, A.V. et al. (Jun 2005). Mol Cell. 1018(6):675-86.

#### **DATA**

# Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MRRF antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: HepG2 cell lysate Lane 2.: 293T cell lysate Lane 3.: HeLa cell lysate

