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

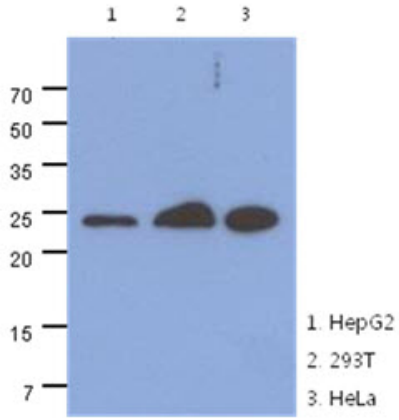
Mitochondrial ribosome recycling factor, also known as MRRF, is a 262 amino acid protein that belongs to the ribosome recycling factor (RRF) family. Localized to mitochondria, MRRF is responsible for the release of ribosomes from messenger RNA at the termination of protein biosynthesis. It may increase 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