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Human MRPS25 antibody

Catalog Number: ATGA0258

PRODUCT INFORMATION

Catalog number

ATGA0258

Clone No.

AT38E7

Product type

Monoclonal Antibody

UnitProt No.

P82663

NCBI Accession No.

NP 071942

Alternative Names

28S ribosomal protein S25 mitochondrial, 28S ribosomal protein S25, mitochondrial, mitochondrial ribosomal protein S25, MRP-S25, RPMS25

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 MRPS25 (1-173aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is $1:500 \sim 1:5000$. Recommended starting dilution is 1:1000.



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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

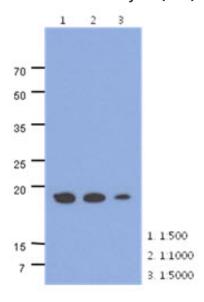
MRPS25 is a 28S subunit protein that belongs to the ribosomal protein S5P family. Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. A pseudogene corresponding to this gene is found on chromosome 4

General References

Koc EC, Burkhart W, Blackburn K, et al. (2000). J. Biol. Chem. 275 (42): 32585-91. Zhang Z, Gerstein M (2003). Genomics 81 (5): 468-80. Cavdar Koc E, et al. (May 2001). J Biol Chem 276 (22): 19363-74.

DATA

Western blot analysis (WB)



The cell lysates of HepG2 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MRPS25 antibody (1:500 \sim 1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

