

FTSJ1 polyclonal antibody

Catalog: BS31214

Host: Rabbit

Reactivity: Human

BackGround:

tRNA (cytidine(32)/guanosine(34)-2'-O)-methyltransferase: Methylates the 2'-O-ribose of nucleotides at positions 32 and 34 of the tRNA anticodon loop of substrate tRNAs . Requisite for faithful cytoplasmic translation . Requires THADA for methylation of the nucleotide at position 32 of the anticodon loop of substrate tRNAs . Requires WDR6 for methylation of the nucleotide at position 34 of the anticodon loop of substrate tRNAs . Promotes translation efficiency of the UUU codon . Plays a role in neurogenesis . Required for expression of genes involved in neurogenesis, mitochondrial translation and energy generation, and lipid biosynthesis . Requisite for RNA-mediated gene silencing . May modify position 32 in tRNA(Arg(ACG)), tRNA(Arg(CCG)), tRNA(Arg(UCG)), tRNA(Cys(GCA)), tRNA(Cys(ACA)), tRNA(Gln(CUG)), tRNA(Gln(UUG)), tRNA(Gly(CCC)), tRNA(Leu(CAG))/tRNA(Leu(CAA)), tRNA(Leu(A/IAG)), tRNA(Leu(UAG)), tRNA(Phe(GAA)), tRNA(Pro(AGG))/tRNA(Pro(CGG))...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~36.1 kDa

Swiss-Prot:

Q9UET6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/2000)

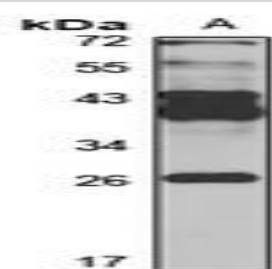
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of FTSJ1 protein

DATA:



Western blot analysis of MIF expression in HEK293T (A), 22RV1 (B), Hela (C), HepG2 (D) whole cell lysates.

Immunohistochemical analysis of MIF staining in rat spleen formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF594 (red) was used as the chromogen. The section was then counterstained with DAPI (blue).

Immunofluorescent analysis of MIF staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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