FTSJ2 polyclonal antibody

Catalog: BS35141 Host: Rabbit Reactivity: Human, Mouse

BackGround:

rRNA methyltransferase 2, mitochondrial: S-adenosyl-L-methionine-dependent 2'-O-ribose methyltransferase that catalyzes the formation of 2'-O-methyluridine at position 1369 (Um1369) in the 16S mitochondrial large subunit ribosomal RNA (mtLSU rRNA), a universally conserved modification in the peptidyl transferase domain of the mtLSU rRNA . This activity may require prior 2'-O-methylguanosine modification at position 1370 (Gm1370) by MRM3 . Essential for late-stage assembly of mtLSU required for efficient translation of mitochondrial DNA encoded proteins; methyltransferase activity is not required for this function . Essential for mitochondrial respiratory function

Product:

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

Molecular Weight:

~27.4 kDa

Swiss-Prot:

Q9UI43

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of FTSJ2 protein

DATA:

Western blot analysis of p47 phox (Phospho-S304) expression in HEK293T (A), Hela (B), mouse lung (C), mouse liver (D), rat liver (E), rat spleen (F) whole cell lysates.

Immunohistochemical analysis of p47 phox (Phospho-S304) staining in human lymph node 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. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

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