

FTSJ1 (H-21): sc-133596

BACKGROUND

FTSJ1 (FtsJ homolog 1), also known as putative ribosomal RNA methyltransferase 1, rRNA (uridine-2'-O-)-methyltransferase, MRX44, JM23, SPB1, MRX9, TRM7 or CDLIV, is a 329 amino acid nucleolar protein belonging to the RlmE family and methyltransferase superfamily. Expressed in adult thalamus, hippocampus, amygdala, corpus callosum and caudate nucleus, as well as fetal kidney, lung, liver, brain and lung, FTSJ1 plays a role in rRNA modification and processing. FTSJ1 exists as multiple spliced isoforms which are encoded by a gene located on human chromosome Xp11.23. Notably, defects in the gene encoding FTSJ1 are the cause of mental retardation X-linked type 44 (MRX44) and nonsyndromic X-linked mental retardation (MRX9).

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CHROMOSOMAL LOCATION

Genetic locus: FTSJ1 (human) mapping to Xp11.23; Ftsj1 (mouse) mapping to X A1.1.

SOURCE

FTSJ1 (H-21) is an affinity purified rabbit polyclonal antibody raised against synthetic FTSJ1 peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 0.5 ml of PBS with < 0.1% sodium azide, 0.1% gelatin and <0.02% sucrose.

APPLICATIONS

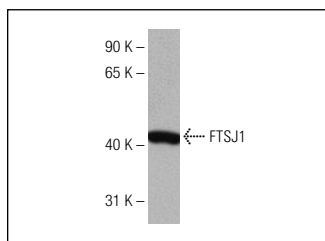
FTSJ1 (H-21) is recommended for detection of FTSJ1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for FTSJ1 siRNA (h): sc-90901, FTSJ1 siRNA (m): sc-145263, FTSJ1 shRNA Plasmid (h): sc-90901-SH, FTSJ1 shRNA Plasmid (m): sc-145263-SH, FTSJ1 shRNA (h) Lentiviral Particles: sc-90901-V and FTSJ1 shRNA (m) Lentiviral Particles: sc-145263-V.

Molecular Weight of FTSJ1: 36 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, HeLa whole cell lysate: sc-2200 or SK-N-MC cell lysate: sc-2237.

DATA



FTSJ1 (H-21): sc-133596. Western blot analysis of FTSJ1 expression in Hep G2 whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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

MONOS
Satisfaction
Guaranteed

Try **FTSJ1 (B-2): sc-390355**, our highly recommended monoclonal alternative to FTSJ1 (H-21).