

FTSJ1 (H-160): sc-134717

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.

RESEARCH USE

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

SOURCE

FTSJ1 (H-160) is a rabbit polyclonal antibody raised against amino acids 51-210 mapping near the N-terminus of FTSJ1 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

FTSJ1 (H-160) 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)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

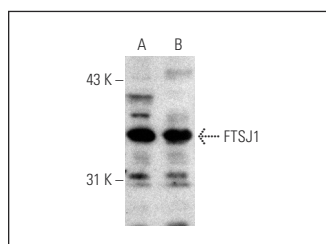
FTSJ1 (H-160) is also recommended for detection of FTSJ1 in additional species, including canine, bovine and porcine.

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

DATA



FTSJ1 (H-160): sc-134717. Western blot analysis of FTSJ1 expression in HeLa (A) and SK-N-MC (B) whole cell lysates.

STORAGE

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

MONOS
Satisfaction
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Try **FTSJ1 (B-2): sc-390355**, our highly recommended monoclonal alternative to FTSJ1 (H-160).