10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FTSJ3 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12057c

Product Information

Application	WB, E
Primary Accession	Q8IY81
Other Accession	NP_060117.3
Reactivity	Human
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13978
Calculated MW	96558
Antigen Region	616-646

Additional Information

Gene ID	117246
Other Names	pre-rRNA processing protein FTSJ3 {ECO:0000255|HAMAP-Rule:MF_03163}, 211- {ECO:0000255|HAMAP-Rule:MF_03163}, 2'-O-ribose RNA methyltransferase SPB1 homolog {ECO:0000255|HAMAP-Rule:MF_03163}, Protein ftsJ homolog 3 {ECO:0000255|HAMAP-Rule:MF_03163}, Putative rRNA methyltransferase 3 {ECO:0000255|HAMAP-Rule:MF_03163}, FTSJ3 {ECO:0000255|HAMAP-Rule:MF_03163}
Target/Specificity	This FTSJ3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 616-646 amino acids from the Central region of human FTSJ3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FTSJ3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FTSJ3 {ECO:0000255|HAMAP-Rule:MF_03163}
Function	RNA 2'-O-methyltransferase involved in the processing of the 34S pre-rRNA to 18S rRNA and in 40S ribosomal subunit formation.
Cellular Location	Nucleus, nucleolus {ECO:0000255|HAMAP- Rule:MF_03163, ECO:0000269|PubMed:12429849, ECO:0000269|PubMed:22195017}

Background

Although the function of this gene is not known, the existence of this gene is supported by mRNA and EST data. A possible function of the encoded protein can be inferred from amino acid sequence similarity to the E.coli FtsJ protein and to a mouse protein possibly involved in embryogenesis.

References

Olsen, J.V., et al. Cell 127(3):635-648(2006)
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006)
Andersen, J.S., et al. Nature 433(7021):77-83(2005)
Scherl, A., et al. Mol. Biol. Cell 13(11):4100-4109(2002)

Citations

- FTSJ3 is an RNA 2'-O-methyltransferase recruited by HIV to avoid innate immune sensing.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.