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FBL Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a full length recombinant FBL.
Catalog # AT2006a

Product Information

Application	E
Primary Accession	P22087
Other Accession	BC019260
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3E11
Calculated MW	33784

Additional Information

Gene ID	2091
Other Names	rRNA 2'-O-methyltransferase fibrillarin, 211-, 34 kDa nucleolar scleroderma antigen, Histone-glutamine methyltransferase, FBL, FIB1, FLRN
Target/Specificity	FBL (AAH19260.1, 1 a.a. ~ 321 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FBL Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

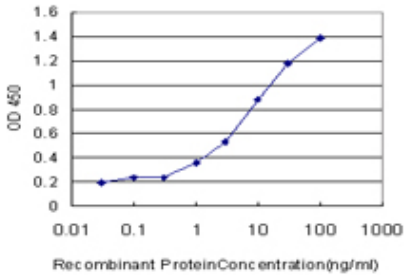
Background

This gene product is a component of a nucleolar small nuclear ribonucleoprotein (snRNP) particle thought to participate in the first step in processing preribosomal RNA. It is associated with the U3, U8, and U13 small nuclear RNAs and is located in the dense fibrillar component (DFC) of the nucleolus. The encoded protein contains an N-terminal repetitive domain that is rich in glycine and arginine residues, like fibrillarins in other species. Its central region resembles an RNA-binding domain and contains an RNP consensus sequence. Antisera from approximately 8% of humans with the autoimmune disease scleroderma recognize fibrillarin.

References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.Fibrillarin and Nop56 interact before being co-assembled in box C/D snoRNPs. Lechertier T, et al. Exp Cell Res, 2009 Apr 1. PMID 19331828.Association of guanine nucleotide-exchange protein BIG1 in HepG2 cell nuclei with nucleolin, U3 snoRNA, and fibrillarin. Padilla PI, et al. Proc Natl Acad Sci U S A, 2008 Mar 4. PMID 18292223.Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.

Images



Detection limit for recombinant GST tagged FBL is approximately 0.1ng/ml as a capture antibody.