

FBLL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18446c

Product Information

Application	WB, E
Primary Accession	A6NHQ2
Other Accession	Q80WS3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38769
Calculated MW	34803
Antigen Region	209-236

Additional Information

Gene ID	345630
Other Names	rRNA/tRNA 2'-O-methyltransferase fibrillarin-like protein 1, 211-, Protein-glutamine methyltransferase, FBLL1
Target/Specificity	This FBLL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 209-236 amino acids from the Central region of human FBLL1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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	FBLL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FBLL1 (HGNC:35458)
Function	S-adenosyl-L-methionine-dependent RNA methyltransferase that catalyzes 2'-hydroxyl ribose methylation in RNAs (PubMed: 39570315). Functions as part

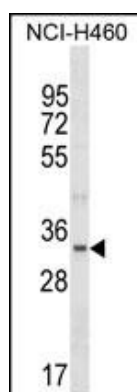
of box C/D small nucleolar ribonucleoprotein (snoRNP) complexes, where guide snoRNAs ensure methylation specificity through base pairing with RNA substrates (PubMed:[39570315](#)). Exhibits broad substrate specificity, methylating multiple sites on ribosomal RNAs (rRNAs) and messenger RNAs (mRNAs) depending on the guide snoRNA incorporated in the complex (PubMed:[39570315](#)). Specifically expressed in brain, it regulates the expression of GAP43 by stabilizing its mRNA through methylation and thereby plays an indirect role in neuronal differentiation (By similarity).

Cellular Location Nucleus, nucleolus.

Background

FBLL1 is involved in pre-rRNA processing. Utilizes the methyl donor S-adenosyl-L-methionine to catalyze the site-specific 2'-hydroxyl methylation of ribose moieties in pre-ribosomal RNA (By similarity).

Images



FBLL1 Antibody (Center) (Cat. #AP18446c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the FBLL1 Antibody detected the FBLL1 protein (arrow).

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