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FBLL1 Rabbit pAb

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Catalog # AP56079

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	A6NHQ2
Predicted	Rat, Pig, Dog, Human, Mouse, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34803
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FBLL1
Epitope Specificity	101-200/333
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear, nucleolus. Note=Fibrillar region of the nucleolus (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	345630
Other Names	RNA 2'-O-methyltransferase FBLL1, 2.1.1.-, Fibrillarin like 1 {ECO:0000312|HGNC:HGNC:35458}, FBLL1 (HGNC:35458)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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

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