

Fibrillarlin Rabbit pAb

CatalogNo: YN5902

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 35kD (Calculated)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human FBL. AA range:1-38

Specificity This antibody detects endogenous levels of FBL at Human, Mouse, Rat

Target Information

Gene name FBL FIB1 FLRN

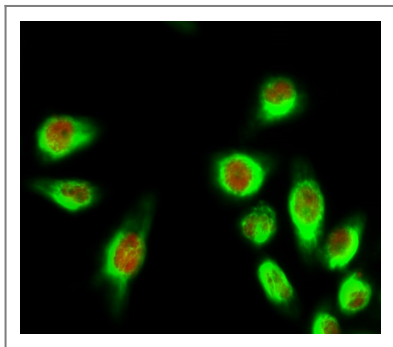
Protein Name rRNA 2'-O-methyltransferase fibrillarin (34 kDa nucleolar scleroderma antigen)

Organism	Gene ID	UniProt ID
Human	2091;	P22087;
Mouse	100044829;	P35550;
Rat	292747;	P22509;

Cellular Localization Nucleus , nucleolus . Nucleus , nucleoplasm . Fibrillar region of the nucleolus.

Function S-adenosyl-L-methionine-dependent methyltransferase that has the ability to methylate both RNAs and proteins . Involved in pre-rRNA processing by catalyzing the site-specific 2'-hydroxyl methylation of ribose moieties in pre-ribosomal RNA . Site specificity is provided by a guide RNA that base pairs with the substrate (By similarity) . Methylation occurs at a characteristic distance from the sequence involved in base pairing with the guide RNA (By similarity) . Probably catalyzes 2'-O-methylation of U6 snRNAs in box C/D RNP complexes . U6 snRNA 2'-O-methylation is required for mRNA splicing fidelity . Also acts as a protein methyltransferase by mediating methylation of 'Gln-105' of histone H2A (H2AQ104me) , a modification that impairs binding of the FACT complex and is specifically present at 35S ribosomal DNA locus .

Validation Data



Immunofluorescence analysis of HeLa cell. 1, mouse Tubulin Antibody YM3035 (green) was diluted at 1:200 (4°C overnight). Fibrillarin Rabbit pAb (red) was diluted at 1:200 (4°C overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog:RS3611 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog:RS3208 was diluted at 1:1000 (room temperature, 50min).

Contact information

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