

Fibrillarin (PT0195R) PT™ Rabbit mAb

CatalogNo: YM8122 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 34kD (Calculated)
34kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal**Clone Number** PT0195R

Immunogen Information

Specificity Endogenous

Target Information

Gene name FBL FIB1 FLRN

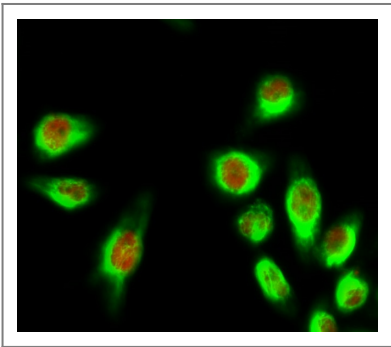
Protein Name rRNA 2'-O-methyltransferase fibrillarin (34 kDa nucleolar scleroderma antigen)

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

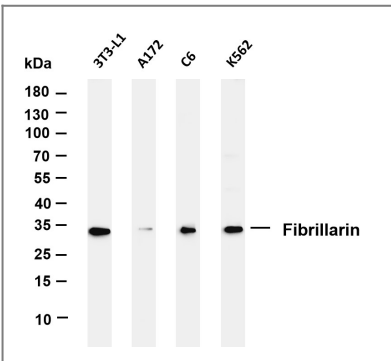
Cellular Localization Nucleus

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 .

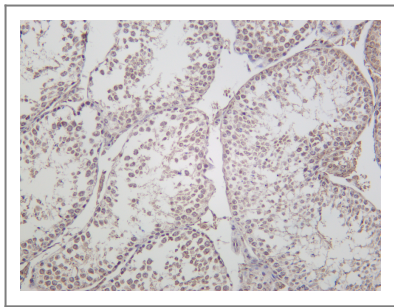
Validation Data



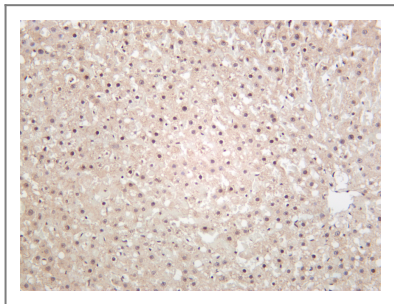
Immunofluorescence analysis of HeLa cell. 1, E2F-1 Antibody (red) was diluted at 1:200 (4° overnight). HER2 Monoclonal Antibody (11H9) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 Catalog: RS3611 was diluted at 1:1000 (room temperature, 50 min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50 min).



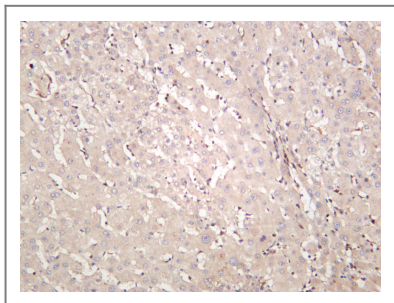
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Fibrillarin antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: 3T3-L1 Lane 2: A172 Lane 3: C6 Lane 4: K562 Predicted band size: 34 kDa Observed band size: 34 kDa



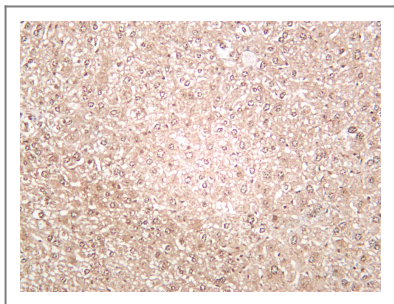
Mouse testis was stained with Anti-Fibrillarin rabbit antibody



Rat liver was stained with anti-Fibrillarin rabbit antibody



Human liver was stained with anti-Fibrillarin rabbit antibody



Mouse liver was stained with anti-Fibrillarin rabbit antibody

Contact information

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Please scan the QR code
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 product information:
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(PT0195R) PT™
Rabbit mAb