

Fibrillarin (ANT0095R) Rabbit mAb

CatalogNo: ANT8122 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 34kD (Calculated)
 - IgG,Kappa
- 34kD (Observed)

Isotype

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)

Basic Information

Clonality Monoclonal

Clone Number ANT0095R

Target Information

Immunogen Information Specificity

Endogenous

Gene name FBL FIB1 FLRN

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

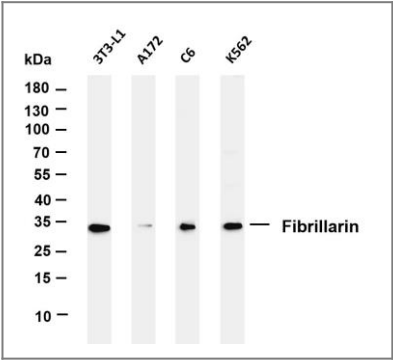
Organism	Gene ID	UniProt ID
Human	2091 ;	P22087 ;
Mouse	100044829 ;	P35550 ;
Rat	292747 ;	P22509 ;

Cellular Localization Nucleus

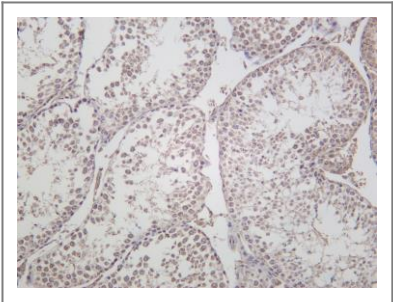
Localization

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 .

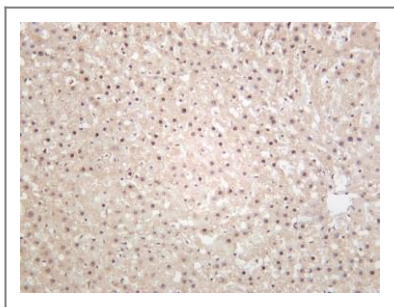
Validation Data



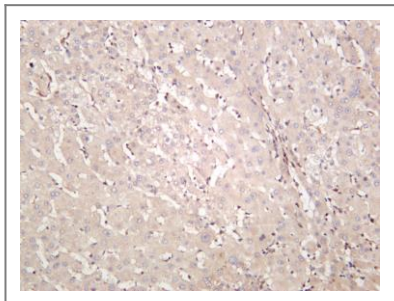
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Fibrillarin (ANT0095R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: 3T3-L1 Lane 2: A172 Lane 3: C6 Lane 4: K562 Predicted band size: 34kDa Observed band size: 34kDa



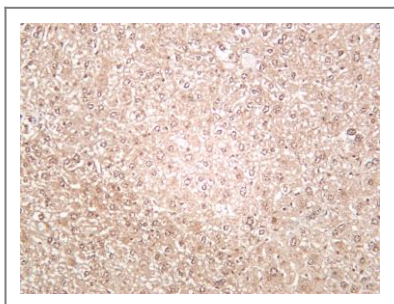
Mouse testis was stained with Anti-Fibrillarin (ANT0095R) rabbit antibody



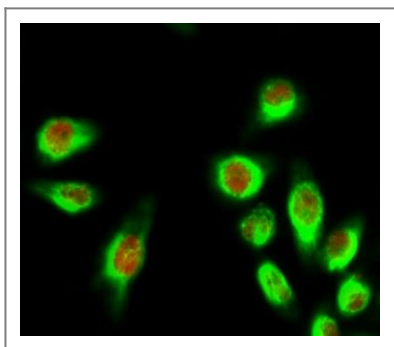
Rat liver was stained with anti-Fibrillarin (ANT0095R) rabbit antibody



Human liver was stained with anti-Fibrillarin (ANT0095R) rabbit antibody



Mouse liver was stained with anti-Fibrillarin (ANT0095R) rabbit antibody



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, 50min). Goat Anti Mouse Alexa Fluor 488 Catalog: RS3208 was diluted at 1:1000 (room temperature, 50min).

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