

# Fibrillarin/U3 RNP Rabbit mAb

Catalog No.: A0850 **Recombinant** **14 Publications**

## Basic Information

**Observed MW**

37kDa

**Calculated MW**

34kDa

**Category**

Primary antibody

**Applications**

WB, IF/ICC, IP, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC0506

## Background

This gene product is a component of a nucleolar small nuclear ribonucleoprotein (snRNP) particle thought to participate in the first step in processing preribosomal RNA. It is associated with the U3, U8, and U13 small nuclear RNAs and is located in the dense fibrillar component (DFC) of the nucleolus. The encoded protein contains an N-terminal repetitive domain that is rich in glycine and arginine residues, like fibrillarins in other species. Its central region resembles an RNA-binding domain and contains an RNP consensus sequence. Antisera from approximately 8% of humans with the autoimmune disease scleroderma recognize fibrillarin.

## Recommended Dilutions

**WB** 1:1000 - 1:10000**IF/ICC** 1:100 - 1:1000**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

**Gene ID**

2091

**Swiss Prot**

P22087


**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

FIB; FLRN; Nop1; RNU3IP1; Fibrillarin/U3 RNP

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

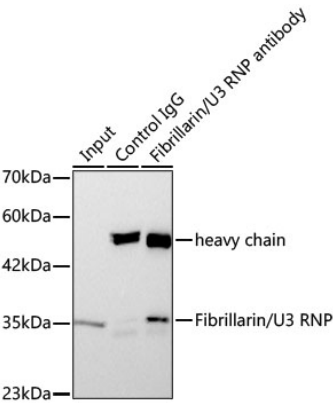
Affinity purification

**Storage**

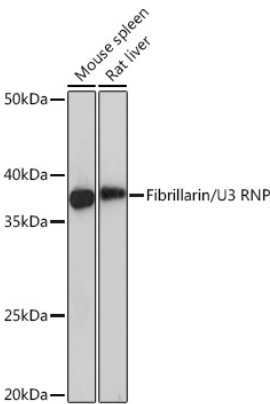
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

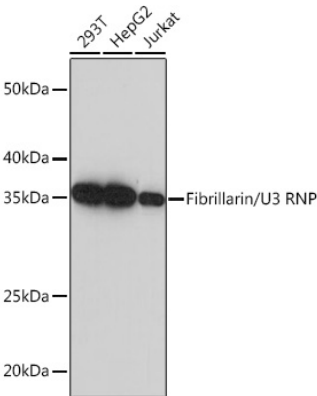
Validation Data



Immunoprecipitation of Fibrillarin/U3 RNP Rabbit mAb from 300 µg extracts of 293F cells was performed using 3 µg of Fibrillarin/U3 RNP Rabbit mAb (A0850). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Fibrillarin/U3 RNP Rabbit mAb (A0850) at a dilution of 1 : 2000.



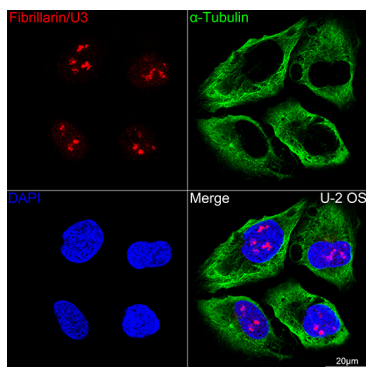
Western blot analysis of various lysates using Fibrillarin/U3 RNP Rabbit mAb (A0850) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western blot analysis of various lysates using Fibrillarin/U3 RNP Rabbit mAb (A0850) at 1:5000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

## Validation Data

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Confocal imaging of U-2OS cells using Fibrillarin/U3 RNP Rabbit mAb (A0850,dilution 1:100) (Red) . The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.