

Fibrillarin/U3 RNP Monoclonal Antibody

CAB0850

Description

This Fibrillarin/U3 RNP Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU: CAB0850
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: FIB, FLRN, Nop1, RNU3IP1, Fibrillarin/U3 RNP
Clone: ARC0506
Applications: WB IF/ICC IP ELISA
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 2091
Uniprot: AB_2861482
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 37kDa
Calculated MW: 34kDa

Preparation & Storage

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.

Store Bradford Reagent at Room Temperature for 1 Year.

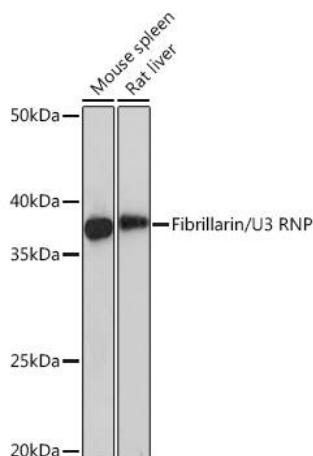
Positive Sample: 293T, Hep G2, Jurkat, Mouse spleen, Rat liver, 293F

Recommended Dilutions:

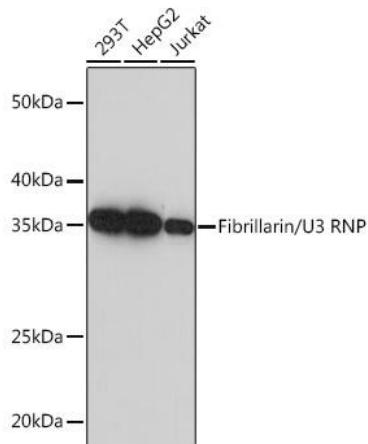
WB	1:1000 - 1:10000
IF/ICC	1:100 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

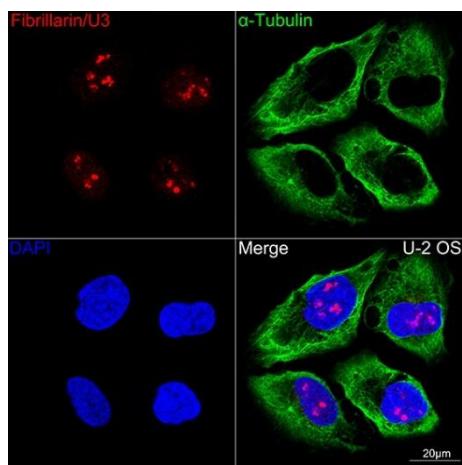
Validation Data



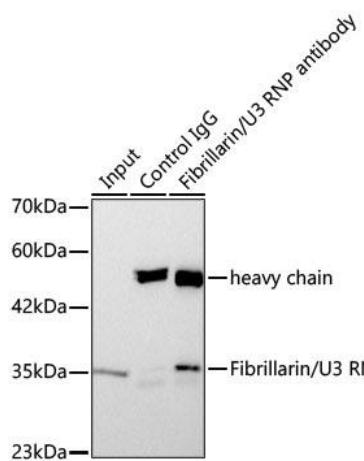
Western blot analysis of various lysates using Fibrillarin/ RNP Rabbit mAb (CAB0850) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Confocal imaging of U-2OS cells using Fibrillarin/ RNP Rabbit mAb (CAB0850,dilution 1:100) (Red). The cells were counterstained with α -Tubulin Mouse mAb (CABC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Confocal imaging of U-2OS cells using Fibrillarin/ RNP Rabbit mAb (CAB0850,dilution 1:100) (Red). The cells were counterstained with α -Tubulin Mouse mAb (CABC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunoprecipitation of Fibrillarin/ RNP Rabbit mAb from 300 μ g extracts of 293F cells was performed using 3 μ g of Fibrillarin/ RNP Rabbit mAb (CAB0850). Rabbit IgG isotype control (CABC042) 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/ RNP Rabbit mAb (CAB0850) at a dilution of 1: 2000.