

A13490

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Fibrillarin/U3 RNP Rabbit pAb

Catalog No.: A13490

4 Publications

Basic Information

Observed MW

37 kDa

Calculated MW

34 kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat,Monkey

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 1:500 - 1:5000

IF/ICC 1:50 - 1:200

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.

Contact



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Immunogen Information

Gene ID

2091

Swiss Prot

P22087

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

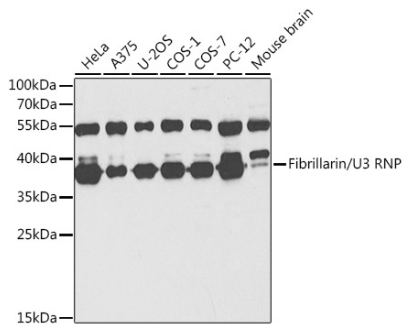
Affinity purification

Storage

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

Buffer: PBS with 0.09% sodium azide, 50% glycerol, pH7.3.

Validation Data

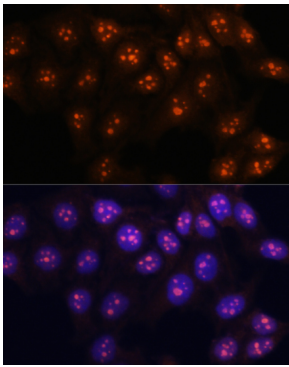


Western blot analysis of various lysates using Fibrillarin/U3 RNP Rabbit pAb (A13490) at 1:1000 dilution.

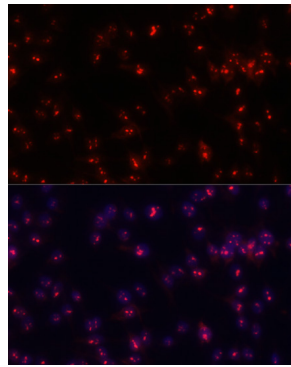
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

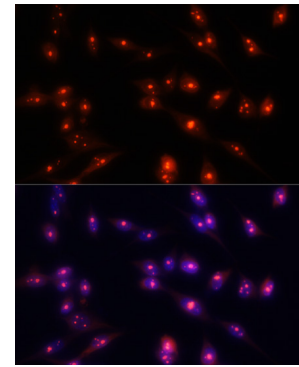
Blocking buffer: 3% nonfat dry milk in TBST.



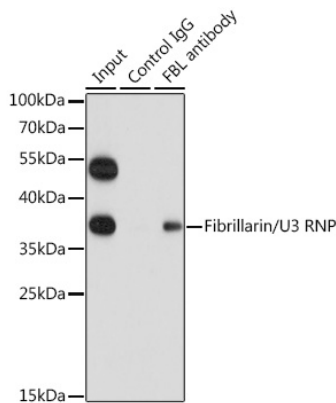
Immunofluorescence analysis of HeLa cells using Fibrillarin/U3 RNP Rabbit pAb (A13490) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using Fibrillarin/U3 RNP Rabbit pAb (A13490) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Fibrillarin/U3 RNP Rabbit pAb (A13490) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg Fibrillarin/U3 RNP Rabbit pAb (A13490). Western blot was performed from the immunoprecipitate using Fibrillarin/U3 RNP Rabbit pAb (A13490) at a dilution of 1:1000.