

Fibrillarin/U3 RNP Rabbit pAb

Catalog No.: A13490 **2 Publications**

Basic Information

Observed MW

37kDa

Calculated MW

33kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP

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 - 1:2000
IF/ICC	1:50 - 1:200
IP	1:20 - 1:50

Immunogen Information

Gene ID	Swiss Prot
2091	P22087

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 100-321 of human Fibrillarin/U3 RNP (NP_001427.2).

Synonyms

FBL;FIB;FLRN;RNU3IP1;Nop1

Contact

 | www.abclonal.com

Product Information

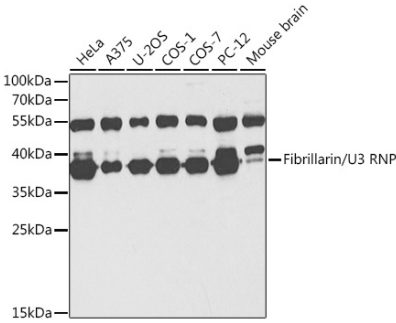
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

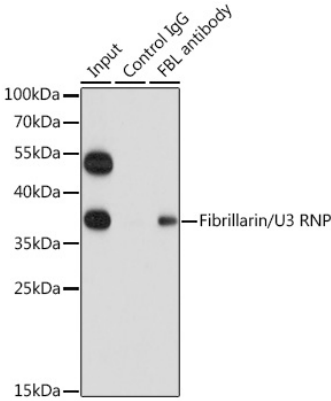
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

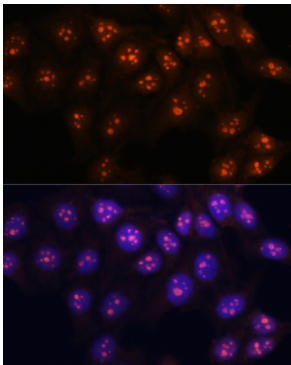
Validation Data



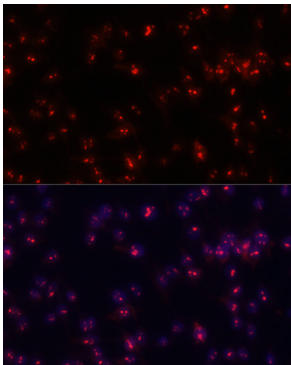
Western blot analysis of extracts of various cell lines, using Fibrillarin/U3 RNP antibody (A13490) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



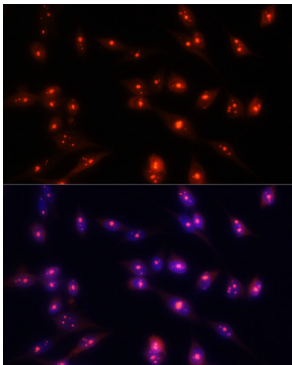
Immunoprecipitation analysis of 200ug extracts of HeLa cells using 1ug Fibrillarin/U3 RNP antibody (A13490). Western blot was performed from the immunoprecipitate using Fibrillarin/U3 RNP antibody (A13490) at a dilution of 1:1000.



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



Immunofluorescence analysis of C6 cells using Fibrillarin/U3 RNP antibody (A13490) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Fibrillarin/U3 RNP antibody (A13490) at dilution of 1:100. Blue: DAPI for nuclear staining.