

Fibrillarin/U3 RNP Rabbit pAb

Catalog No.: A1136 **5 Publications**

Basic Information

Observed MW

36kDa

Calculated MW

34kDa

Category

Primary antibody

Applications

ELISA, 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 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

2091

Swiss Prot

P22087

Immunogen

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

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

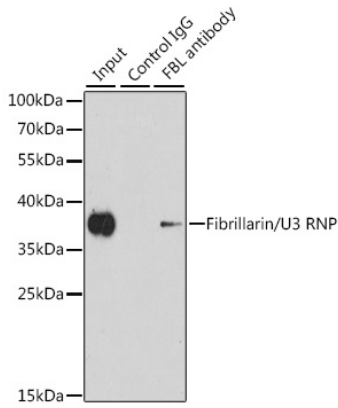
Affinity purification

Storage

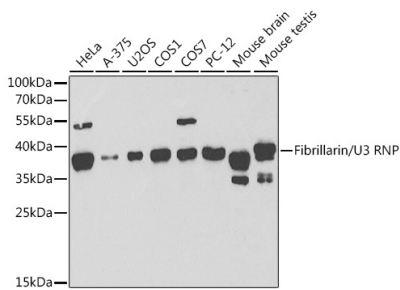
Store at -20°C. Avoid freeze / thaw cycles.

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

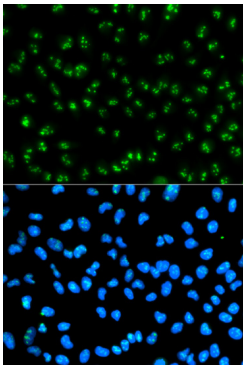
Validation Data



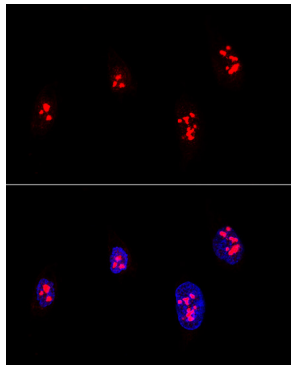
Immunoprecipitation analysis of 200 μ g extracts of HeLa cells using 1 μ g Fibrillarin/U3 RNP antibody (A1136). Western blot was performed from the immunoprecipitate using Fibrillarin/U3 RNP antibody (A1136) at a dilution of 1:1000.



Western blot analysis of various lysates using Fibrillarin/U3 RNP Rabbit pAb (A1136) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of HeLa cells using Fibrillarin/U3 RNP Rabbit pAb (A1136) at dilution of 1:100. Blue: DAPI for nuclear staining.



Confocal immunofluorescence analysis of U-2OS cells using Fibrillarin/U3 RNP Rabbit pAb (A1136) at dilution of 1:200. Blue: DAPI for nuclear staining.