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Fibrillarin/U3 RNP Rabbit pAb

Catalog No.: A1136 **7 Publications**

Basic Information

Observed MW
36kDa

Calculated MW
34kDa

Category
Primary 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
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
IF/ICC	1:50 - 1:200
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
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

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Product Information

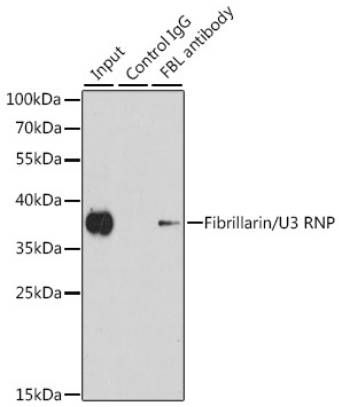
Source
Rabbit

Isotype
IgG

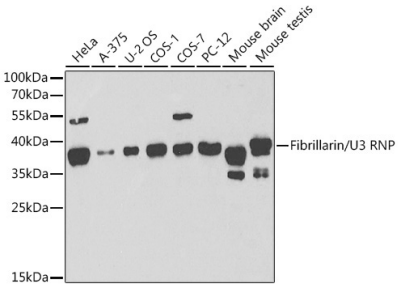
Purification
Affinity purification

Storage
Store at -20℃

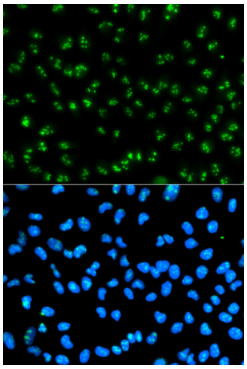
Validation Data



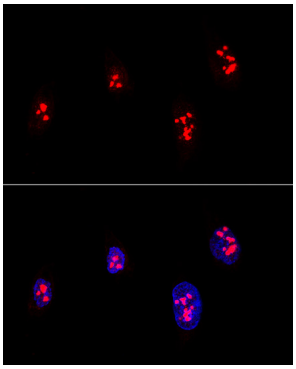
Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg Fibrillarin/U3 RNP antibody (A1136). Western blot was performed from the immunoprecipitate using Fibrillarin/U3 RNP antibody (A1136) at a dilution of 1:1000.



Western blot analysis of various lysates using Fibrillarin/U3 RNP Rabbit pAb (A1136) at 1:1000 dilution.
Secondary antibody: HRP-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 (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.