For Research Use Only

Fibrillarin Polyclonal antibody

Catalog Number:16021-1-AP Featured Product 56 Publications

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Basic Information

Catalog Number:
16021-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8841

GenBank Accession Number:
BC019260

GeneID (NCBI):
2091

UNIPROT ID:
P22087

Full Name:
fibrillarin

Calculated MW:
321 aa, 34 kDa

Observed MW:
34 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:6000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC: 1:400-1:1600
FC (Intra): 0.4 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:
WB, IF, IP, RIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Positive Controls:

WB : A375 cells, HCT 116 cells, mouse liver tissue, HeLa cells, Jurkat cells

IP : A375 cells,

IF/ICC : HepG2 cells,

FC (Intra) : HepG2 cells,

Background Information

Fibrillarin (Fbl) is an essential nucleolar protein that plays an essential role in ribosome biogenesis and more particularly in the methylation of ribosomal RNAs and rDNA histones. FBL is highly expressed in various cancers and correlates with poor survival outcomes in cancer patients,such as hepatocellular carcinoma(PMID: 33376525). Knockdown of FBL sensitizes tumor cells and xenografts to DNA crosslinking agents, and leads to homologous recombination-mediated DNA repair defects(PMID: 37489617).

Notable Publications

Author	Pubmed ID	Journal	Application
Jing-tao Wen	36199797	J Oncol	RIP
Xing Liu	25373737	Oncotarget	WB
Xiao Yang	29025975	Biochem J	IF

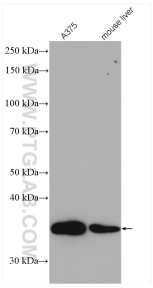
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Aliquoting is unnecessary for -20°C storage

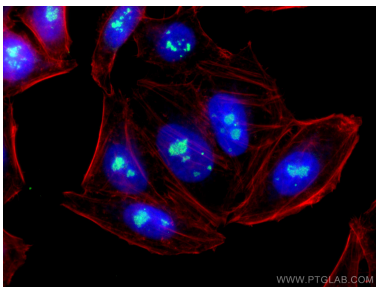
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

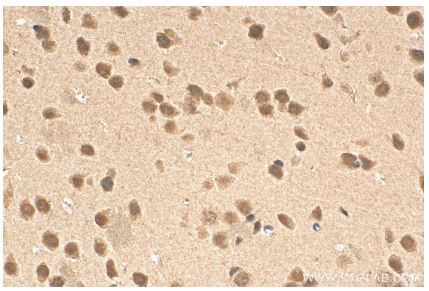
Selected Validation Data



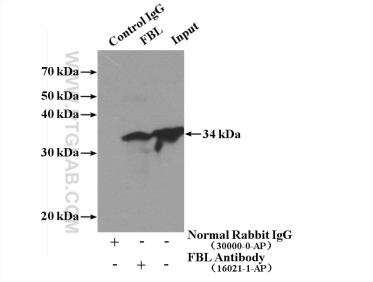
Various lysates were subjected to SDS PAGE followed by western blot with 16021-1-AP (Fibrillarin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



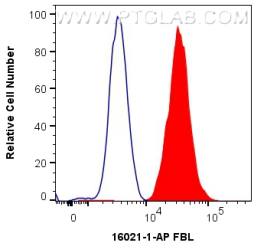
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Fibrillarin antibody (16021-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16021-1-AP (Fibrillarin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-Fibrillarin (IP:16021-1-AP, 4ug; Detection:16021-1-AP 1:500) with A375 cells lysate 3600ug.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human Fibrillarin (16021-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).