

À des fins de recherche uniquement

Anticorps Monoclonal anti-FBL

Numéro de catalogue: 66985-1-Ig **3 Publications**



Informations de base

Numéro de catalogue:
66985-1-Ig

Taille:
150ul , Concentration: 2300 µg/ml by
Nanodrop and 1000 µg/ml by Bradford
method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG8841

Numéro d'acquisition GenBank:
BC019260

Identification du gène (NCBI):

Nom complet:
fibrillarin

MW calculé
321 aa, 34 kDa

MW observés:
34 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
3A9E8

Dilutions recommandées:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:500-1:2000
for WB
IHC 1:1000-1:4000
IF 1:200-1:800

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules 4T1, cellules HEK-293, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules NIH/3T3

IP : cellules HeLa,

IHC : tissu de cancer du foie humain,

IF : cellules HepG2,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Tao Shen	34493285	BMC Biol	WB
Wenyi Wang	33687144	Thorac Cancer	WB
Xiao-Mei Yang	37247644	Gastroenterology	WB,IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

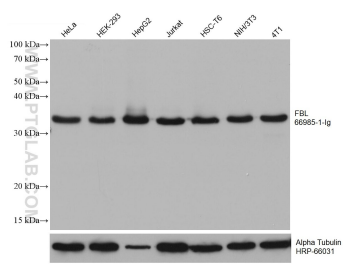
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

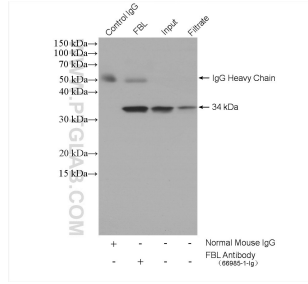
E: proteintech@ptglab.com
W: ptglab.com

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

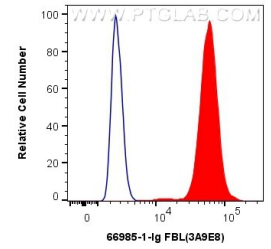
Données de validation sélectionnées



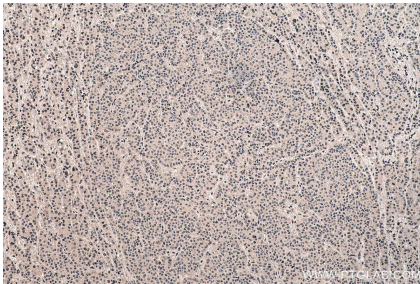
Various lysates were subjected to SDS PAGE followed by western blot with 66985-1-Ig (FBL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



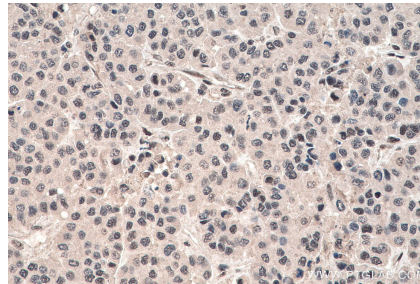
IP result of anti-FBL (IP:66985-1-Ig, 5ug; Detection:66985-1-Ig 1:1000) with HeLa cells lysate 1600 ug.



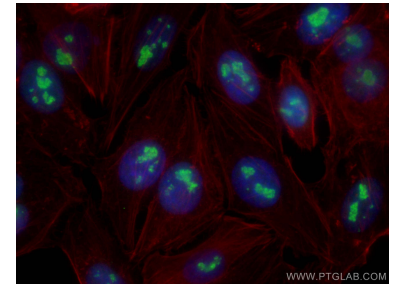
1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human FBL (66985-1-Ig, Clone:3A9E8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66985-1-Ig (FBL antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66985-1-Ig (FBL antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FBL antibody (66985-1-Ig, Clone: 3A9E8) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).