

Fibrillarin Monoclonal Antibody (38F3)

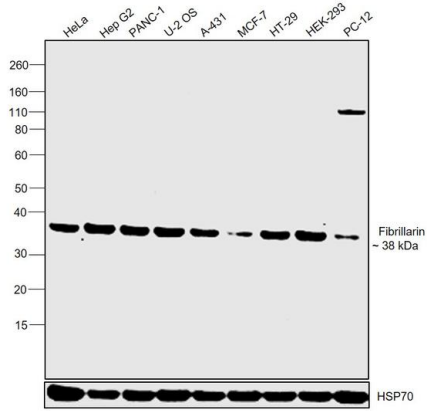
| Product Details | |
|--------------------|-----------------------------------------------------------|
| Size | 100 µL |
| Species Reactivity | Bovine, Chicken, Fruit fly, Human, Mouse, Pig, Rat, Yeast |
| Host/Isotype | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 38F3 |
| Conjugate | Unconjugated |
| Immunogen | Yeast nuclear preparations. |
| Form | Liquid |
| Purification | Protein G |
| Storage buffer | PBS with 50% glycerol |
| Contains | 5mM sodium azide |
| Storage conditions | -20° C, Avoid Freeze/Thaw Cycles |
| RRID | AB_2532241 |

| Applications | Tested Dilution | Publications |
|------------------------------|-----------------|--------------|
| Western Blot (WB) | 1:1,000 | - |
| Immunohistochemistry (IHC) | 1:100-1:500 | - |
| Immunocytochemistry (ICC/IF) | 1:250-1:500 | - |

Product Images For Fibrillarin Monoclonal Antibody (38F3)

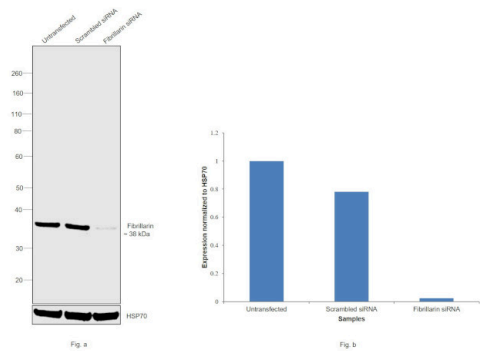
Fibrillarin Antibody (480009) in WB

Western blot was performed using Anti-Fibrillarin Monoclonal Antibody (38F3) (Product # 480009) and a 38 kDa band corresponding to Fibrillarin was observed across cell lines tested. Modified whole cell extracts (1% SDS) (30 µg lysate) of HeLa (Lane 1), Hep G2 (Lane 2), PANC-1 (Lane 3), U-2 OS (Lane 4), A-431 (Lane 5), MCF-7 (Lane 6), HT-29 (Lane 7), HEK-293 (Lane 8) and PC-12 (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



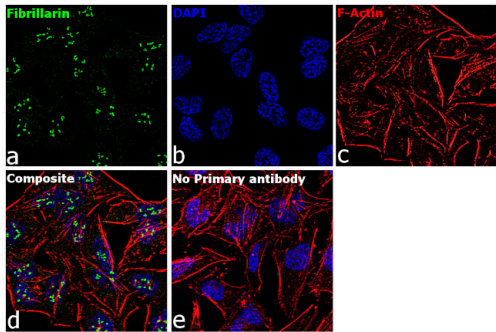
Fibrillarin Antibody (480009)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with Fibrillarin siRNA and decrease in signal intensity was observed in western blot application using Fibrillarin Monoclonal Antibody (38F3) (Product # 48-0009). {KD}



Fibrillarin Antibody (480009) in ICC/IF

Immunofluorescence analysis of Fibrillarin was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with Fibrillarin Mouse Monoclonal Antibody (38F3) (Product # 480009) at 1:250 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nucleolar localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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