

SFPQ Polyclonal Antibody

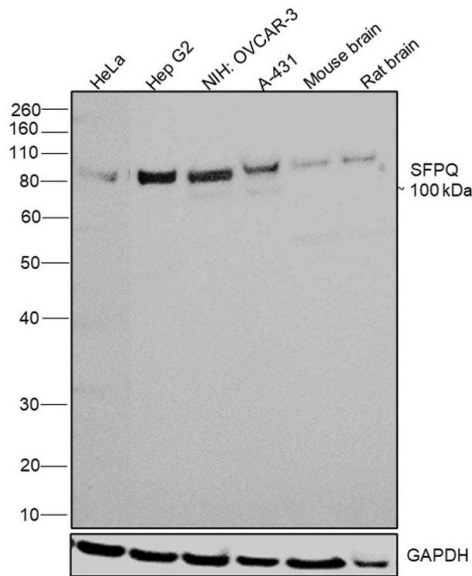
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein of human SFPQ.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.2, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2719848

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:2000	-
Immunocytochemistry (ICC/IF)	1:50-1:500	-

Product Specific Information

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Product Images For SFPQ Polyclonal Antibody

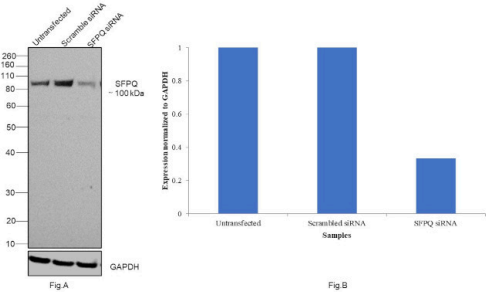


SFPQ Antibody (PA5-76121) in WB

Western blot was performed using Anti-SFPQ Polyclonal Antibody (Product # PA5-76121) and a 100 kDa band corresponding to Splicing factor, proline- and glutamine-rich was observed across cell lines and tissues tested. Nuclear enriched extracts (30 µg lysate) of HeLa (Lane 1), Hep G2 (Lane 2), NIH:OVCAR-3 (Lane 3), A-431 (Lane 4), Mouse Brain (Lane 5), Rat Brain (Lane 6) 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-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1: 4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

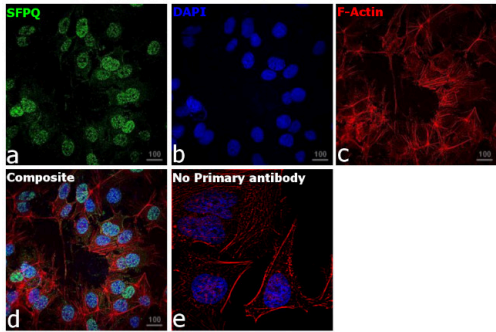
SFPQ Antibody (PA5-76121)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with Splicing factor, proline- and glutamine-rich siRNA and decrease in signal intensity was observed in Western Blot application using Anti-SFPQ Polyclonal Antibody (Product # PA5-76121). {KD}



SFPQ Antibody (PA5-76121) in ICC/IF

Immunofluorescence analysis of Splicing factor, proline- and glutamine-rich 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 SFPQ Polyclonal Antibody (Product # PA5-76121) at 1: 100 Dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034), (1:2000 dilution), 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 dilution). Panel d represents the merged image showing Nucleus localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification.



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