Product Name: KD-Validated SFPQ Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00938
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 76.1kDa

Antigen Information

Gene Name	SFPQ
Alternative Names	Splicing Factor Proline And Glutamine Rich; PSF; PPP1R140; Polypyrimidine Tract Binding Protein Associated; Protein Phosphatase 1, Regulatory Subunit 140; DNA-Binding P52/P100 Complex, 100 KDa Subunit; Splicing Factor, Proline- And Glutamine-Rich; Splicing Factor Proline/Glutamine-Rich; 100 KDa DNA-Pairing Protein; Splicing Factor Proline/Glutamine Rich (Polypyrimidine Tract-Binding Protein-Associated); Splicing Factor Proline/Glutamine Rich (Polypyrimidine Tract Binding Protein Associated); Polypyrimidine Tract-Binding Protein-Associated Splicing Factor; Polypyrimidine Tract-Binding Protein-Associated-Splicing Factor; Epididymis Secretory Sperm Binding Protein; PTB-Associated Splicing Factor; PTB-Associated-Splicing Factor; HPOMp100; POMP100
Gene ID	6421.0

SwissProt ID	P23246
Immunogen	A synthesized peptide derived from human SFPQ

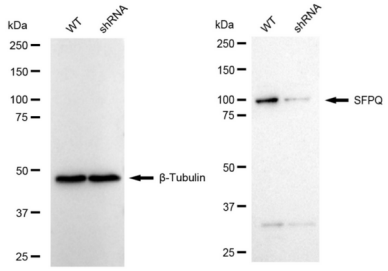
Background

Enables DNA binding activity; histone deacetylase binding activity; and protein homodimerization activity. Involved in several processes, including alternative mRNA splicing, via spliceosome; positive regulation of oxidative stress-induced intrinsic apoptotic signaling pathway; and regulation of transcription by RNA polymerase II. Acts upstream of or within double-strand break repair via homologous recombination. Located in chromatin; nuclear matrix; and paraspeckles. [provided by Alliance of Genome Resources, Jul 2025]

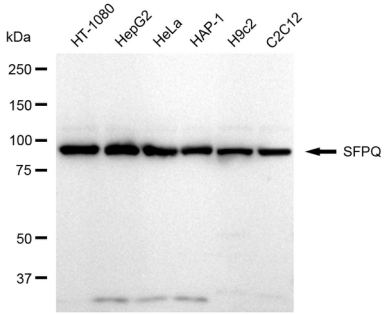
Research Area

Epigenetics and Nuclear Signaling

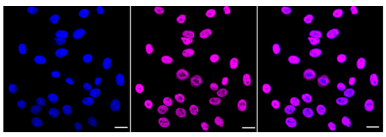
Image Data



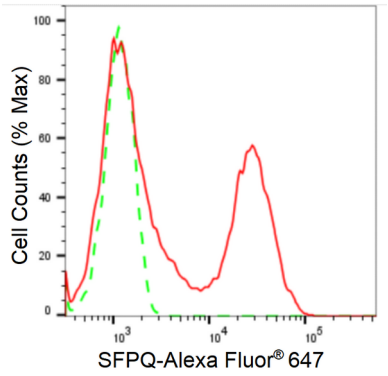
Western blotting analysis using SFPQ antibody (KVAb00938). SFPQ expression in wild type (WT) and SFPQ shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with SFPQ antibody (KVAb00938, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SFPQ antibody (KVAb00938). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SFPQ antibody (KVAb00938, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with SFPQ antibody (KVAb00938, 1:1,000). Nuclei were stained blue with DAPI; SFPQ was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of SFPQ expression in HepG2 cells using SFPQ antibody (KVAb00938, 1:2,000). Green, isotype control; red, SFPQ.