
Product Name: KD-Validated SNRPC Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00314**

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: 17.4kDa

Antigen Information

Gene Name	SNRPC SNRPC; Small Nuclear Ribonucleoprotein Polypeptide C; U1-C; Yhc1; U1 Small Nuclear
Alternative Names	Ribonucleoprotein C; U1 SnRNP C; U1C; U1 Small Nuclear RNP Specific C; U1 SnRNP Protein C
Gene ID	6631.0
SwissProt ID	P09234
Immunogen	A synthesized peptide derived from human SNRPC

Background

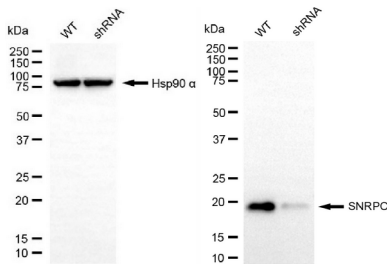
This gene encodes one of the specific protein components of the U1 small nuclear ribonucleoprotein (snRNP) particle required for the formation of the spliceosome. The encoded protein participates in the processing of nuclear precursor messenger RNA

splicing. snRNP particles are attacked by autoantibodies frequently produced by patients with connective tissue diseases. The genome contains several pseudogenes of this functional gene. Alternative splicing results in a non-coding transcript variant. [provided by RefSeq, Oct 2009]

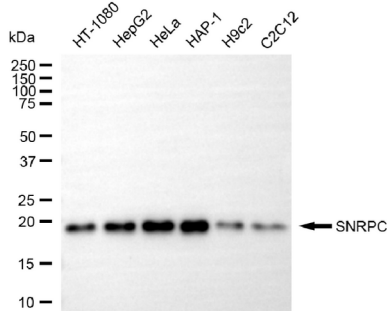
Research Area

Epigenetics and Nuclear Signaling

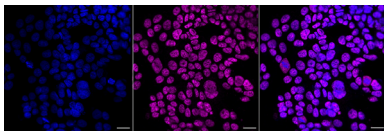
Image Data



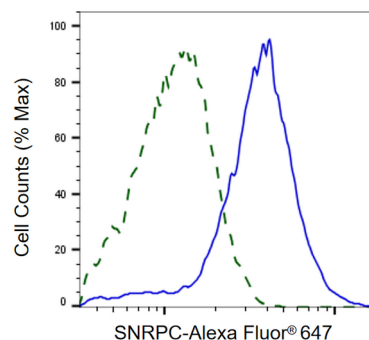
Western blotting analysis using SNRPC antibody (KVA00314). SNRPC expression in wild-type (WT) and SNRPC shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SNRPC antibody (KVA00314, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



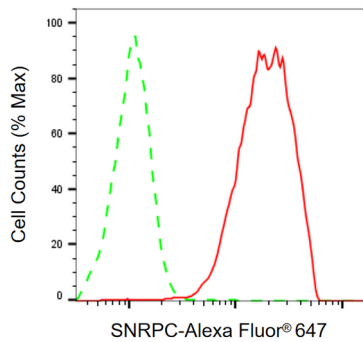
Western blotting analysis using SNRPC antibody (KVA00314). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SNRPC antibody (KVA00314, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with SNRPC antibody (KVA00314, 1:1,000). Nuclei were stained blue with DAPI; SNRPC was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of SNRPC knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with SNRPC antibody (KVA00314, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of SNRPC expression in HAP-1 cells using SNRPC antibody (KVA00314, 1:2,000). Green, isotype control; red, SNRPC.