

Product Name: KD-Validated HNRNPA0 Mouse Monoclonal Antibody**Catalog #: KVA00645**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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: 30.8kDa

Antigen Information

Gene Name	HNRNPA0
Alternative Names	HNRNPA0; Heterogeneous Nuclear Ribonucleoprotein A0; HNRPA0; HnRNP A0; HnRNA Binding Protein
Gene ID	10949.0
SwissProt ID	Q13151
Immunogen	Recombinant protein of human HNRNPA0

Background

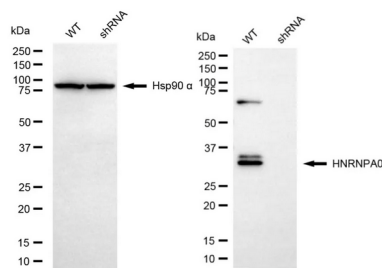
This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and

transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two repeats of quasi-RRM domains that bind RNAs, followed by a glycine-rich C-terminus. [provided by RefSeq, Jul 2008]

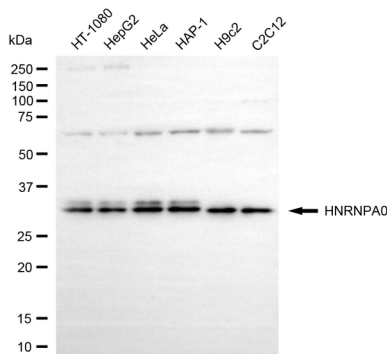
Research Area

Cell Biology

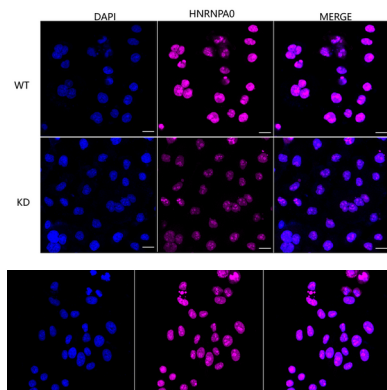
Image Data



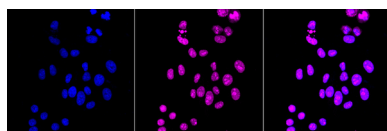
Western blotting analysis using HNRNPA0 antibody (KVA00645). HNRNPA0 expression in wild type (WT) and HNRNPA0 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HNRNPA0 antibody (KVA00645, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



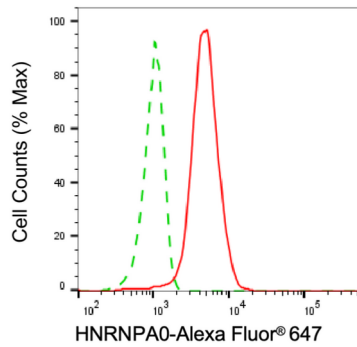
Western blotting analysis using HNRNPA0 antibody (KVA00645). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HNRNPA0 antibody (KVA00645, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using HNRNPA0 antibody (KVA00645, 1:1,000). Top panel: wild-type (WT); Bottom panel: HNRNPA0 shRNA knockdown (KD). Nuclei were stained blue with DAPI; HNRNPA0 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HepG2 cells with HNRNPA0 antibody (KVA00645, 1:1,000). Nuclei were stained blue with DAPI; HNRNPA0 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.



Flow cytometric analysis of HNRNPA0 expression in HepG2 cells using HNRNPA0 antibody (KVA00645, 1:2,000). Green, isotype control; red, HNRNPA0.