

Product Name: KD-Validated HNRNPF Mouse Monoclonal Antibody**Catalog #: KVA00637**

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 IgG2a
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: 45.7kDa

Antigen Information

Gene Name	HNRNPF
Alternative Names	HNRNPF; Heterogeneous Nuclear Ribonucleoprotein F; HNRPF; Nucleolin-Like Protein Mcs94-1; HnRNP F Protein; OK/SW-Cl.23; Mcs94-1; HnRNP F
Gene ID	3185.0
SwissProt ID	P52597
Immunogen	Recombinant protein of human HNRNPF

Background

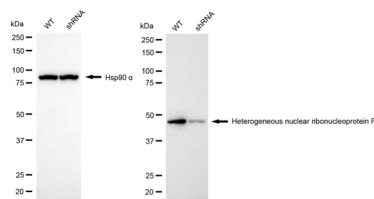
This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and regulate alternative splicing, polyadenylation, 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 three repeats of quasi-RRM domains that bind to RNAs which have guanosine-rich sequences. This protein is very similar to the family member hnRPH. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

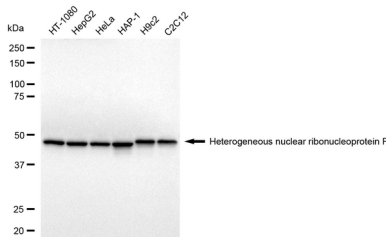
Research Area

Epigenetics and Nuclear Signaling

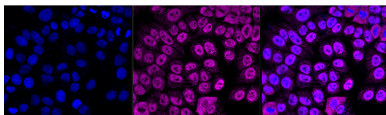
Image Data



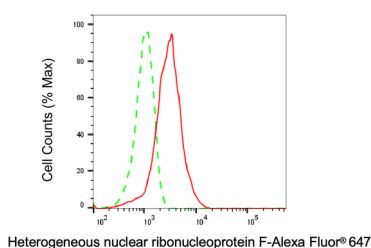
Western blotting analysis using heterogeneous nuclear ribonucleoprotein F antibody (KVA00637). Heterogeneous nuclear ribonucleoprotein F expression in wild type (WT) and heterogeneous nuclear ribonucleoprotein F (HNRNPF) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with heterogeneous nuclear ribonucleoprotein F antibody (KVA00637, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using heterogeneous nuclear ribonucleoprotein F antibody (KVA00637). Total cell lysates (10 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with heterogeneous nuclear ribonucleoprotein F antibody (KVA00637, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with Heterogeneous nuclear ribonucleoprotein F antibody (KVA00637, 1:1,000). Nuclei were stained blue with DAPI; Heterogeneous nuclear ribonucleoprotein F 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 Heterogeneous nuclear ribonucleoprotein F expression in HepG2 cells using Heterogeneous nuclear ribonucleoprotein F antibody (KVA00637, 1:2,000). Green, isotype control; red, Heterogeneous nuclear ribonucleoprotein F.