
Product Name: KD-Validated HNRNPK Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01177

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: 51.0kDa

Antigen Information

Gene Name	HNRNPK HNRNPK; Heterogeneous Nuclear Ribonucleoprotein K; TUNP; HNRPK; CSBP;
Alternative Names	Transformation Upregulated Nuclear Protein; Transformation Up-Regulated Nuclear Protein; DC-Stretch Binding Protein; HnRNP K; AUKS
Gene ID	3190.0
SwissProt ID	P61978
Immunogen	A synthesized peptide derived from human hnRNP K

Background

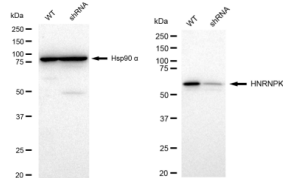
This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated

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 is located in the nucleoplasm and has three repeats of KH domains that binds to RNAs. It is distinct among other hnRNP proteins in its binding preference; it binds tenaciously to poly(C). This protein is also thought to have a role during cell cycle progression. Several alternatively spliced transcript variants have been described for this gene, however, not all of them are fully characterized. [provided by RefSeq, Jul 2008]

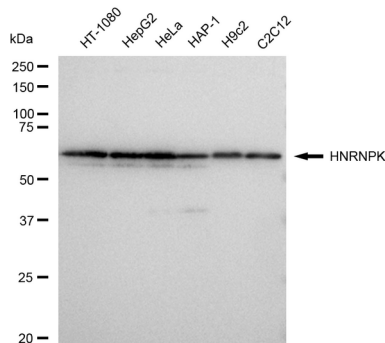
Research Area

Epigenetics and Nuclear Signaling

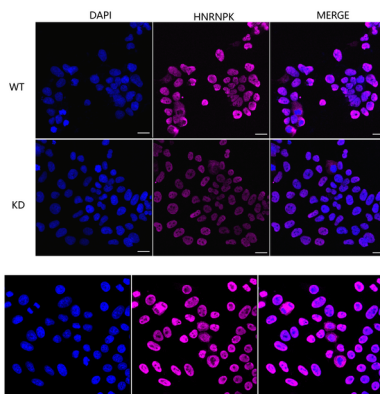
Image Data



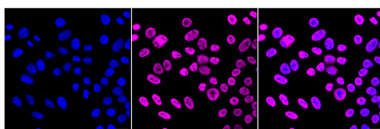
Western blotting analysis using HNRNPK antibody (KVA01177). HNRNPK expression in wild type (WT) and HNRNPK shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HNRNPK antibody (KVA01177, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



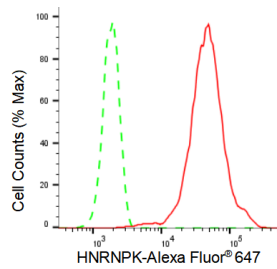
Western blotting analysis using HNRNPK antibody (KVA01177). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HNRNPK antibody (KVA01177, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using HNRNPK antibody (KVA01177, 1:1,000), Top panel: wild-type (WT); Bottom panel: HNRNPK shRNA knockdown (KD). Nuclei were stained blue with DAPI; HNRNPK was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with HNRNPK antibody (KVA01177, 1:1,000). Nuclei were stained blue with DAPI; HNRNPK 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 HNRNPK expression in HepG2 cells using HNRNPK antibody (KVA01177, 1:2,000). Green, isotype control; red, HNRNPK.