

Product Name: KD-Validated HNRNPM Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01176

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: 77.5kDa

Antigen Information

Gene Name	HNRNPM HNRNPM; Heterogeneous Nuclear Ribonucleoprotein M; HNRNPM4; HNRPM4; HTGR1;
Alternative Names	HNRPM; NAGR1; CEAR; CEA Receptor; HnRNP M; Heterogenous Nuclear Ribonucleoprotein M4; N-Acetylglucosamine Receptor 1; HnRNA-Binding Protein M4
Gene ID	4670.0
SwissProt ID	P52272
Immunogen	A synthesized peptide derived from human HNRNPM

Background

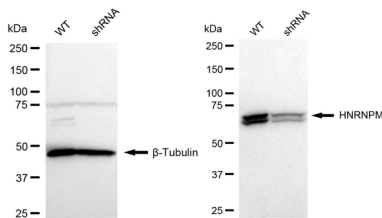
This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated

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 has three repeats of quasi-RRM domains that bind to RNAs. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

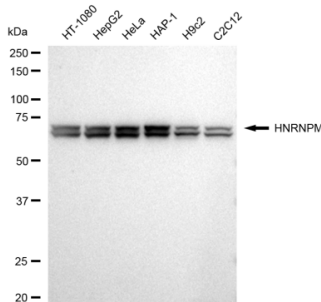
Research Area

Epigenetics and Nuclear Signaling

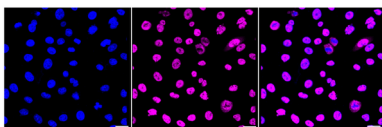
Image Data



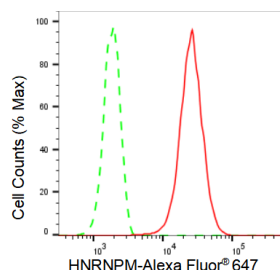
Western blotting analysis using HNRNPM antibody (KVA01176). HNRNPM expression in wild type (WT) and HNRNPM shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with HNRNPM antibody (KVA01176, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using HNRNPM antibody (KVA01176). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HNRNPM antibody (KVA01176, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with HNRNPM antibody (KVA01176, 1:1,000). Nuclei were stained blue with DAPI; HNRNPM 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 HNRNPM expression in HepG2 cells using HNRNPM antibody (KVA01176, 1:2,000). Green, isotype control; red, HNRNPM.