

Product Name: KD-Validated RRM1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00187**

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: 90.1kDa

Antigen Information

Gene Name	RRM1
Alternative Names	Ribonucleotide Reductase Catalytic Subunit M1; Ribonucleoside-Diphosphate Reductase Large Subunit; Ribonucleoside-Diphosphate Reductase Subunit M1; Ribonucleotide Reductase M1 Polypeptide; EC 1.17.4.1; RR1; Ribonucleotide Reductase Large Subunit; Ribonucleotide Reductase, R1 Subunit; RIR1; R1
Gene ID	6240.0
SwissProt ID	P23921
Immunogen	A synthesized peptide derived from human beta RRM1

Background

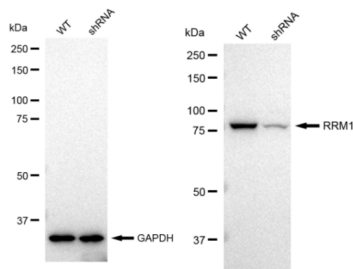
This gene encodes the large and catalytic subunit of ribonucleotide reductase, an enzyme essential for the conversion of

ribonucleotides into deoxyribonucleotides. A pool of available deoxyribonucleotides is important for DNA replication during S phase of the cell cycle as well as multiple DNA repair processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

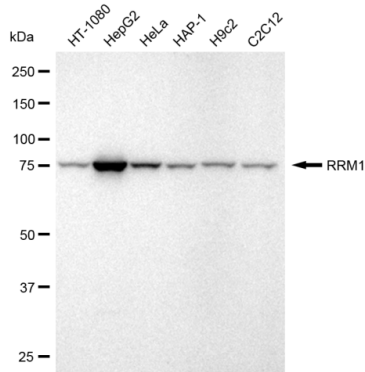
Research Area

Epigenetics and Nuclear Signaling

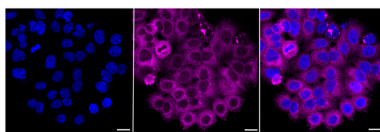
Image Data



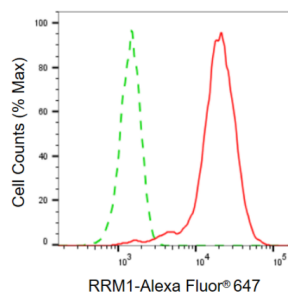
Western blotting analysis using RRM1 antibody (KVA00187). RRM1 expression in wild type (WT) and RRM1 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with RRM1 antibody (KVA00187, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RRM1 antibody (KVA00187). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RRM1 antibody (KVA00187, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RRM1 antibody (KVA00187, 1:1,000). Nuclei were stained blue with DAPI; RRM1 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 RRM1 expression in HepG2 cells using RRM1 antibody (KVA00187, 1:2,000). Green, isotype control; red, RRM1.