Product Name: KD-Validated U2AF2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00871
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: 53.5kDa

Antigen Information

Gene Name	U2AF2
Alternative Names	U2AF2; U2 Small Nuclear RNA Auxiliary Factor 2; U2AF65; U2 SnRNP Auxiliary Factor Large Subunit; U2 Small Nuclear Ribonucleoprotein Auxiliary Factor (65kD); U2 (RNU2) Small Nuclear RNA Auxiliary Factor 2; Splicing Factor U2AF 65 KDa Subunit; U2 Auxiliary Factor 65 KDa Subunit; HU2AF65; Splicing Factor U2AF 65 KD Subunit; HU2AF(65); DEVDFB
Gene ID	11338.0
SwissProt ID	P26368
Immunogen	A synthesized peptide derived from human U2AF65

Background

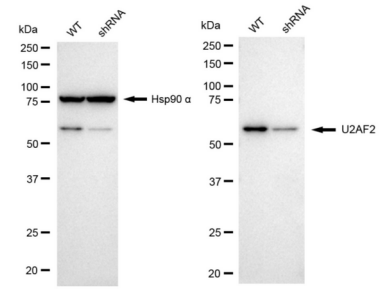
U2 auxiliary factor (U2AF), comprised of a large and a small subunit, is a non-snRNP protein required for the binding of U2

snRNP to the pre-mRNA branch site. This gene encodes the U2AF large subunit which contains a sequence-specific RNA-binding region with 3 RNA recognition motifs and an Arg/Ser-rich domain necessary for splicing. The large subunit binds to the polypyrimidine tract of introns early during spliceosome assembly. Multiple transcript variants have been detected for this gene, but the full-length natures of only two have been determined to date. [provided by RefSeq, Jul 2008]

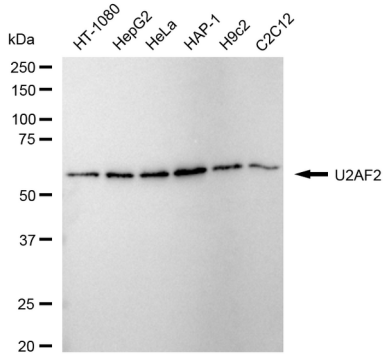
Research Area

Epigenetics and Nuclear Signaling

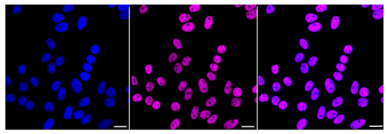
Image Data



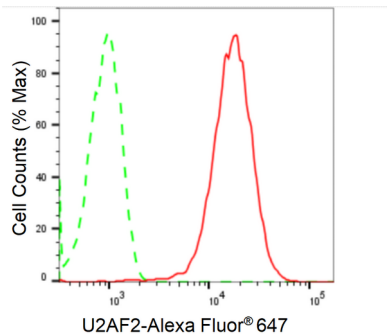
Western blotting analysis using U2AF2 antibody (KVAb00871). U2AF2 expression in wild-type (WT) and U2AF2 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with U2AF2 antibody (KVAb00871, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using U2AF2 antibody (KVAb00871). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with U2AF2 antibody (KVAb00871, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with U2AF2 antibody (KVAb00871, 1:1,000). Nuclei were stained blue with DAPI; U2AF2 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 U2AF2 expression in HepG2 cells using U2AF2 antibody (KVAb00871, 1:2,000). Green, isotype control; red, U2AF2.