

KD-Validated Anti-U2AF2 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1730

Specification

KD-Validated Anti-U2AF2 Rabbit Monoclonal Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P26368
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 54 kDa , observed , 54 kDa KDa
Gene Name	U2AF2
Aliases	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
Immunogen	A synthesized peptide derived from human U2AF65

KD-Validated Anti-U2AF2 Rabbit Monoclonal Antibody - Additional Information

Gene ID	11338
Other Names	
Splicing factor U2AF 65 kDa subunit, U2 auxiliary factor 65 kDa subunit, hU2AF(65), hU2AF65, U2 snRNP auxiliary factor large subunit, U2AF2, U2AF65	

KD-Validated Anti-U2AF2 Rabbit Monoclonal Antibody - Protein Information

Name U2AF2

Synonyms U2AF65

Function

Plays a role in pre-mRNA splicing and 3'-end processing (PubMed:17024186). By recruiting PRPF19 and the PRP19C/Prp19 complex/NTC/Nineteen complex to the RNA polymerase II C-terminal domain (CTD), and thereby pre-mRNA, may couple transcription to splicing (PubMed:21536736). Induces cardiac troponin-T (TNNT2) pre-mRNA exon inclusion in muscle. Regulates the TNNT2 exon 5 inclusion through competition with MBNL1. Binds preferentially to a single-stranded structure within the polypyrimidine tract of TNNT2 intron 4 during spliceosome assembly. Required for the export of mRNA out of the nucleus, even if the mRNA is encoded by an intron-less gene. Represses

the splicing of MAPT/Tau exon 10. Positively regulates pre-mRNA 3'-end processing by recruiting the CFIm complex to cleavage and polyadenylation signals (PubMed:17024186).

Cellular Location

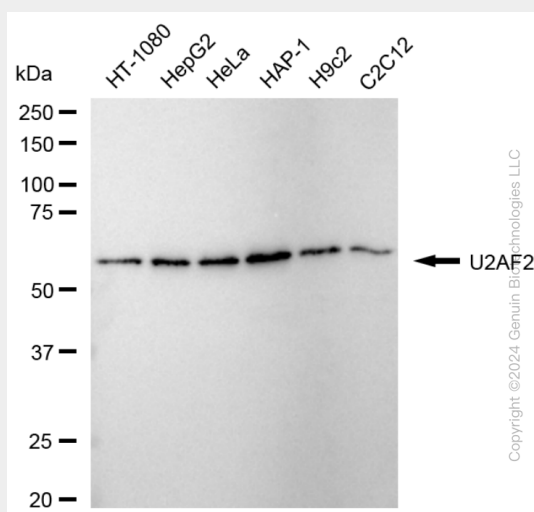
Nucleus.

KD-Validated Anti-U2AF2 Rabbit Monoclonal Antibody - Protocols

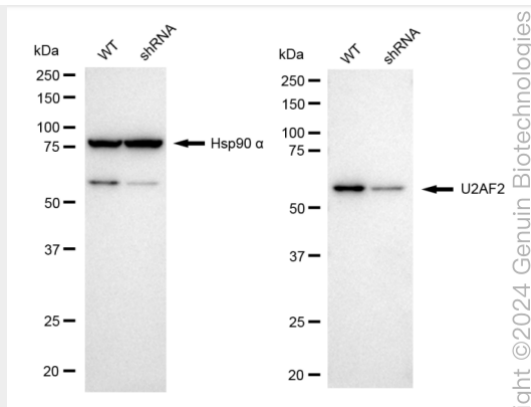
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

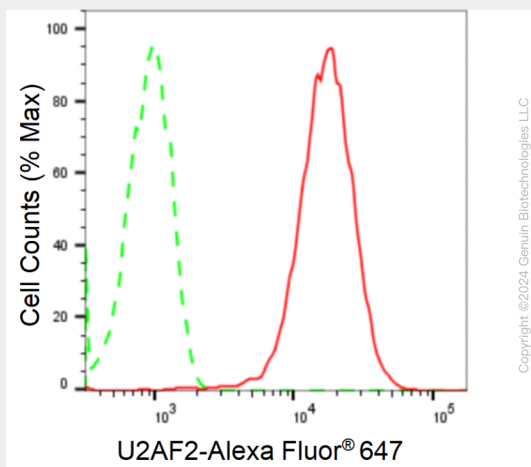
KD-Validated Anti-U2AF2 Rabbit Monoclonal Antibody - Images



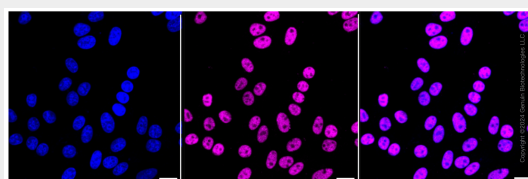
Western blotting analysis using anti-U2AF2 antibody (Cat#AGI1730). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-U2AF2 antibody (Cat#AGI1730, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-U2AF2 antibody (Cat#AGI1730). 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 anti-U2AF2 antibody (Cat#AGI1730, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of U2AF2 expression in HepG2 cells using anti-U2AF2 antibody (Cat#AGI1730, 1:2,000). Green, isotype control; red, U2AF2.



Immunocytochemical staining of HepG2 cells with anti-U2AF2 antibody (Cat#AGI1730, 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.