10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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).

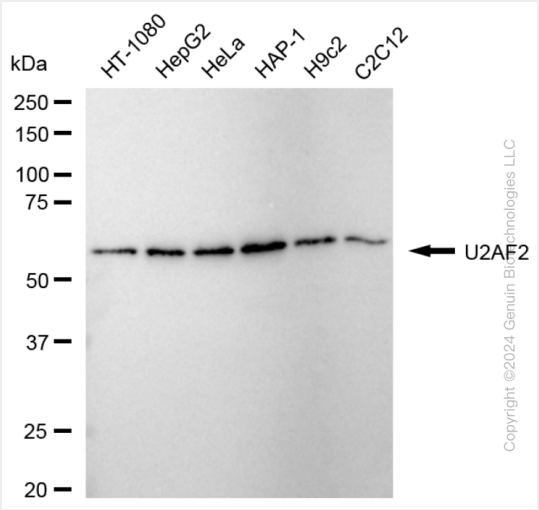
Cellular Location
Nucleus.

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 Cytomety
- 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.

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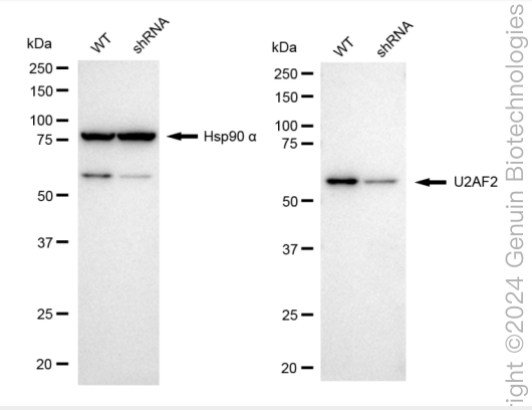
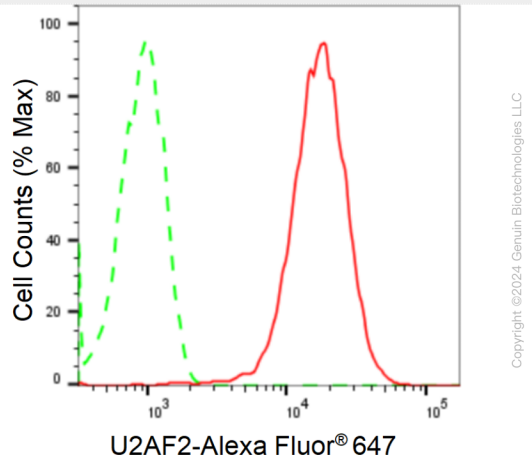
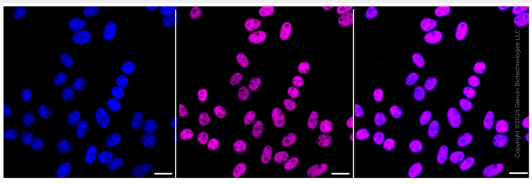


Western blotting analysis using anti-U2AF2 antibody (Cat#AGI1730). U2AF2 expression in wild-type (WT) and U2AF2 shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-U2AF2 antibody (Cat#AGI1730, 1:5,000) and HRP-conjugated 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.