

ARG43022
anti-U2AF2 / U2AF65 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes U2AF2 / U2AF65
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	U2AF2 / U2AF65
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 192-471 of Human U2AF2 / U2AF65 (NP_001012496.1).
Conjugation	Un-conjugated
Alternate Names	U2 auxiliary factor 65 kDa subunit; U2AF65; U2 snRNP auxiliary factor large subunit; Splicing factor U2AF 65 kDa subunit; 65; hU2AF; hU2AF65

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:100
	IP	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	SW620	

Properties

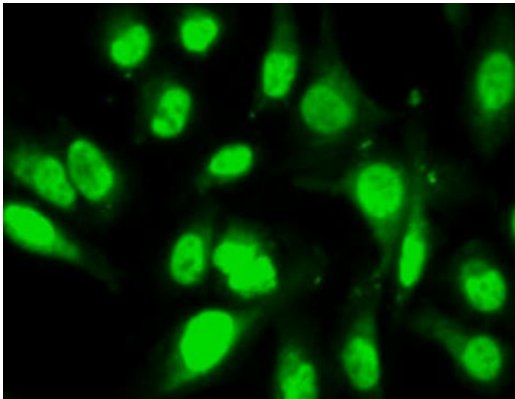
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

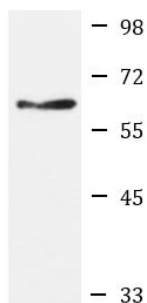
Gene Symbol	U2AF2
Gene Full Name	U2 small nuclear RNA auxiliary factor 2
Background	U2 auxiliary factor (U2AF), comprised of a large and a small subunit, is a non-snRNP protein required for the binding of U2 snRNP to the pre-mRNA branch site. This gene encodes the U2AF large subunit which contains a 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]
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). [UniProt]
Calculated Mw	54 kDa
PTM	Lysyl-hydroxylation at Lys-15 and Lys-276 affects the mRNA splicing activity of the protein, leading to regulate some, but not all, alternative splicing events. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG43022 anti-U2AF2 / U2AF65 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG43022 anti-U2AF2 / U2AF65 antibody.



SW620

ARG43022 anti-U2AF2 / U2AF65 antibody WB image

Western blot: 25 µg of SW620 cell lysate stained with ARG43022 anti-U2AF2 / U2AF65 antibody at 1:1000 dilution.

ARG43022 anti-U2AF2 / U2AF65 antibody IP image

Immunoprecipitation: 200 µg extracts of SW620 cells were immunoprecipitated and stained with ARG43022 anti-U2AF2 / U2AF65 antibody at 1:500 dilution.

