

## U2AF65 Antibody

Rabbit mAb Catalog # AP92125

#### **Specification**

# U2AF65 Antibody - Product Information

Application Primary Accession Reactivity Clonality <b>Other Names</b> hU2AF65; U2af2; U2AF65;	WB, IHC, ICC <u>P26368</u> Rat Monoclonal
lsotype	Rabbit IgG
Host	Rabbit
Calculated MW	53501 Da

## **U2AF65 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 ICC~~N/A
Purification Immunogen	Affinity-chromatography A synthesized peptide derived from human U2AF65
Description	Necessary for the splicing of pre-mRNA. 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

# U2AF65 Antibody - Protein Information

Name U2AF2

### Synonyms U2AF65

Function

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Plays a role in pre-mRNA splicing and 3'-end processing (PubMed:<a href="http://www.uniprot.org/citations/17024186" target="_blank">17024186</a>). By recruiting
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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:<a href="http://www.uniprot.org/citations/21536736" target="\_blank">21536736</a>). 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:<a href="http://www.uniprot.org/citations/17024186" target=" blank">17024186</a>).

**Cellular Location** Nucleus.

### U2AF65 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

U2AF65 Antibody - Images



Western blot analysis of U2AF65 expression in Jurkat cell lysate.