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# U2AF2 Antibody (N-term)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP14583a**

## Specification

### U2AF2 Antibody (N-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | P26368 |
| Other Accession | P26369, NP_001012496.1, NP_009210.1 |
| Reactivity | **Human, Mouse** |
| Predicted | **Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Antigen Region | **1-30** |

### U2AF2 Antibody (N-term) - 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

**Target/Specificity**
This U2AF2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human U2AF2.

**Dilution**
WB~~1:2000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
U2AF2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### U2AF2 Antibody (N-term) - 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).

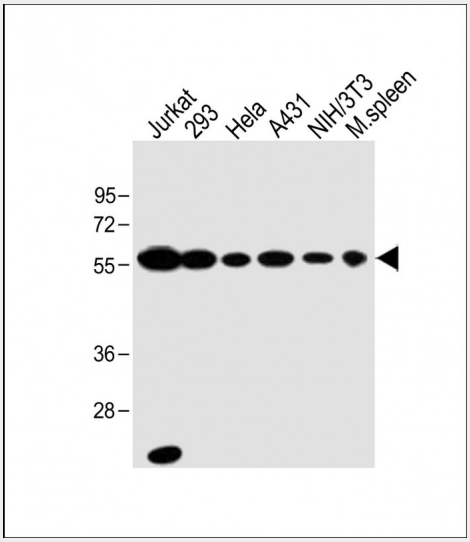
**Cellular Location**
Nucleus.

## U2AF2 Antibody (N-term) - 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

## U2AF2 Antibody (N-term) - Images




All lanes : Anti-U2AF2 Antibody (N-term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: 293 whole cell lysate Lane 3: Hela whole cell lysate Lane 4: A431 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lane 6: Mouse spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 54 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## U2AF2 Antibody (N-term) - 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].

**U2AF2 Antibody (N-term) - References**

Webby, C.J., et al. Science 325(5936):90-93(2009) Martins de Araujo, M., et al. RNA 15(4):515-523(2009) Corsini, L., et al. J. Biol. Chem. 284(1):630-639(2009) Jenkins, J.L., et al. J. Biol. Chem. 283(48):33641-33649(2008) Izquierdo, J.M. Mol. Biol. Cell 19(8):3299-3307(2008)

**U2AF2 Antibody (N-term) - Citations**

- Systematic Identification and Functional Validation of New snoRNAs in Human Muscle Progenitors