

# CoraLite®594-conjugated U2AF35 Monoclonal antibody

Catalog Number: **CL594-60289**

## Basic Information

<b>Catalog Number:</b> CL594-60289	<b>GenBank Accession Number:</b> BC001923	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 7307	<b>CloneNo.:</b> 2B7F11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01081	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2c	<b>Full Name:</b> U2 small nuclear RNA auxiliary factor 1	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG0399	<b>Calculated MW:</b> 28 kDa	
	<b>Observed MW:</b> 35-40 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

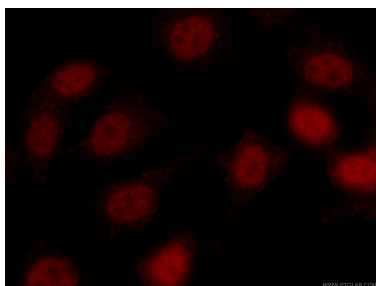
## Background Information

U2 auxiliary factor (U2AF), comprising a large and a small subunit, is a non-snRNP protein required for the binding of U2 snRNP to the pre-mRNA branch site. U2 (RNU2) small nuclear RNA auxiliary factor 1 (U2AF1, synonyms: RN, FP793, U2AF35, U2AFBP, RNU2AF1) is the small subunit which plays a critical role in both constitutive and enhancer-dependent RNA splicing by directly mediating interactions between the large subunit and proteins bound to the enhancers. The U2AF1 gene is localized to chromosome 21q22.3, which is the critical region for three diseases, progressive myoclonus epilepsy, autoimmune polyglandular disease type 1, and one form of bipolar affective disorder. The calculated molecular weight of U2AF35 is 28 kDa, but the modified U2AF35 protein is about 35-40 kDa.

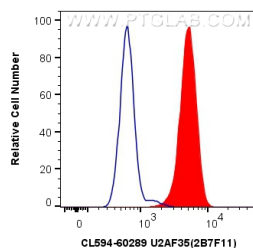
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL594-60289 (U2AF35 antibody) at dilution of 1:100.



1X10<sup>6</sup> Ramos cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human U2AF35 (CL594-60289, Clone:2B7F11) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).