## Basic Information

<table>
<thead>
<tr>
<th>Catalog Number:</th>
<th>GeneBank Accession Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>15624-1-AP</td>
<td>BC008740</td>
</tr>
<tr>
<td>Size:</td>
<td>GeneID (NCBI):</td>
</tr>
<tr>
<td>31 μg/150 μl</td>
<td>11338</td>
</tr>
<tr>
<td>Source:</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG</td>
</tr>
<tr>
<td>Purification Method:</td>
<td>Antigen affinity purification</td>
</tr>
<tr>
<td>Immunogen Catalog Number:</td>
<td>AG8070</td>
</tr>
</tbody>
</table>

### Recommended Dilutions:

- **WB:** 1:500-1:2000
- **IHC:** 1:50-1:500

### Applications

- **Tested Applications:** IHC, WB, ELISA
- **Cited Applications:** IF, WB

### Species Specificity:

- human, mouse, rat

### Cited Species:

- bovine, human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

### Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

### Background Information

U2AF2, also named as U2 auxiliary factor 65 kDa subunit , is a 475 amino acid protein, which belongs to the splicing factor SR family. U2AF2 is Necessary for the splicing of pre-mRNA. By recruiting PRPF19 and the PRP19C/Prp19 complex/Nineteen complex to the RNA polymerase II C-terminal domain (CTD), pre-mRNA, may couple transcription to splicing. The calculated molecular weight of U2AF2 is 53 kDa, but modified U2AF2 is about 65 kDa.

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>PubMed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yanbo Yu</td>
<td>30772053</td>
<td>Cell Biochem Funct</td>
<td>WB, IF</td>
</tr>
<tr>
<td>N Pospiech</td>
<td>29434205</td>
<td>Sci Rep</td>
<td>WB</td>
</tr>
</tbody>
</table>

### Background Information

- **Positive Controls:**
  - **WB:** Jurkat cells; HEK-293T cells, HepG2 cells, HeLa cells
  - **IHC:** human breast cancer tissue;

For technical support and original validation data for this product please contact:

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**E:** proteintech@ptglab.com

**W:** ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Selected Validation Data

Western Blot (WB) result of U2AF65 antibody (15624-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-U2AF65 transfected HepG2 cells.

Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 15624-1-AP (U2AF65 antibody) at dilution of 1:200 (under 40x lens) heat mediated antigen retrieved with Tris-EDTA buffer pH 9.

Jurkat cells were subjected to SDS PAGE followed by western blot with 15624-1-AP (U2AF65 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.