**XBP1S Polyclonal ANTIBODY**

*Catalog Number:* 24868-1-AP

### Basic Information

<table>
<thead>
<tr>
<th>Catalog Number:</th>
<th>24868-1-AP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size:</strong></td>
<td>44 μg/150 μl</td>
</tr>
<tr>
<td><strong>Source:</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG</td>
</tr>
<tr>
<td><strong>Purification Method:</strong></td>
<td>Antigen affinity purification</td>
</tr>
</tbody>
</table>

**GenBank Accession Number:** BC000938

**GeneID (NCBI):** 7494

**Full Name:** X-box binding protein 1

**Immunogen Catalog Number:** AG21703

**Calculated MW:** 261aa, 29 kDa

**Observed MW:** 55 kDa, 30 kDa

### Applications

**Tested Applications:** IHC, WB, ELISA

**Cited Applications:** WB

**Species Specificity:** human, mouse

**Cited Species:** human

### Background Information

X-box-binding protein 1 (XBP1), also named as TREB5, is a 261 amino acid protein, which contains one bZIP domain and belongs to the bZIP family. XBP1 localizes in the nucleus and as a transcription factor is essential for hepatocyte growth, the differentiation of plasma cells, the immunoglobulin secretion, and the unfolded protein response. XBP1 has an association with major affective disorder. The molecular weight of protein generated from the spliced XBP1 mRNA is 54 kDa and protein generated from unspliced Xbp1 mRNA is 33 kDa.

### Notable Publications

<table>
<thead>
<tr>
<th>Author</th>
<th>Pubmed ID</th>
<th>Journal</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wang Gaoxiang</td>
<td>26718729</td>
<td>Cancer Biol Ther</td>
<td>WB</td>
</tr>
</tbody>
</table>

### Storage

**Storage:** Store at -20°C. Stable for one year after shipment.

**Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol, pH 7.3.

**Aliquoting is unnecessary for -20°C storage**

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

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.**
MDA-MB-453s cells were subjected to SDS PAGE followed by western blot with 24868-1-AP XBP1S antibody at dilution of 1:300 incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using 24868-1-AP XBP1S antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9).