**Product datasheet**

**Anti-IL-18 antibody ab68435**

★★★★★ 1 Abreviews  5 References  2 Images

**Overview**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>Anti-IL-18 antibody</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to IL-18</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Specificity</strong></td>
<td>Immunogen sequence suggest that the product will recognise both the full length and mature form of the protein but this has not been tested specifically.</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: IHC-P, WB</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Synthetic peptide corresponding to Human IL-18 aa 50-150 conjugated to keyhole limpet haemocyanin. (Peptide available as ab101221)</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>This antibody gave a positive signal in the following human whole cell lysates: HL60; Jurkat. IHC-P: FFPE human tonsil tissue sections.</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</td>
</tr>
</tbody>
</table>
| **Storage buffer** | Preservative: 0.02% Sodium Azide                  
                          Constituents: 1% BSA, PBS, pH 7.4             |
| **Purity**   | Immunogen affinity purified                  |
| **Clonality** | Polyclonal                                    |
| **Isotype**  | IgG                                           |

**Applications**

Our Abpromise guarantee covers the use of **ab68435** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**

Augments natural killer cell activity in spleen cells and stimulates interferon gamma production in T-helper type I cells.

**Sequence similarities**

Belongs to the IL-1 family.

**Cellular localization**

Secreted.

---

### Images

IHC image of IL-18 staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab68435, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*
**Western blot - Anti-IL-18 antibody (ab68435)**

**All lanes:** Anti-IL-18 antibody (ab68435) at 1 µg/ml

**Lane 1:** HL60 (Human promyelocytic leukemia cell line) Whole Cell Lysate

**Lane 2:** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes:** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 22 kDa

**Observed band size:** 22 kDa

**Additional bands at:** 50 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 minutes

---

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

**Our Abpromise to you:** Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards
If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors