Product datasheet

Anti-C3a R antibody ab103629

Overview

Product name: Anti-C3a R antibody
Description: Rabbit polyclonal to C3a R
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Human
Immunogen: Recombinant full length protein corresponding to Human C3a R aa 1-482.
Database link: NP_004045.1
Positive control: Human liver, transfected 293T cell line
General notes: Previously labelled as C3a Receptor.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: Preservative: None
Constituents: PBS, pH 7.2
Purity: Protein A purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab103629 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 54 kDa.</td>
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<tr>
<td><strong>Target</strong></td>
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<tr>
<td><strong>Function</strong></td>
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<td>Receptor for the chemotactic and inflammatory peptide anaphylatoxin C3a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production.</td>
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<td><strong>Tissue specificity</strong></td>
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<td>Widely expressed in several differentiated hematopoietic cell lines, in the lung, spleen, ovary, placenta, small intestine, throughout the brain, heart, and endothelial cells. Mostly expressed in lymphoid tissues.</td>
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<td><strong>Sequence similarities</strong></td>
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<td>Belongs to the G-protein coupled receptor 1 family.</td>
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<td><strong>Post-translational modifications</strong></td>
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<td>Among the sulfation sites Tyr-174 is essential for binding of C3a anaphylatoxin.</td>
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<td><strong>Cellular localization</strong></td>
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<td>Cell membrane.</td>
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### Images

- **Western blot - Anti-C3a R antibody (ab103629)**
  - **Anti-C3a R antibody (ab103629) at 5 µg/ml + Human liver tissue lysate at 50 µg**
    - **Predicted band size**: 54 kDa
  - **Western blot - Anti-C3a R antibody (ab103629)**
    - **All lanes**: Anti-C3a R antibody (ab103629) at 5 µg/ml
    - **Lane 1**: C3a R transfected 293T cell lysate
    - **Lane 2**: Non-transfected 293T cell lysate
    - **Lysates/proteins at 25 µg per lane.**
    - **Predicted band size**: 54 kDa

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