Product datasheet

Anti-Adenylate cyclase 1 antibody ab38331

Overview

Product name: Anti-Adenylate cyclase 1 antibody
Description: Rabbit polyclonal to Adenylate cyclase 1
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Mouse, Rat
Immunogen: Immunogen corresponds to conserved sequence at or near C terminal end of the protein that are unique to rat/mouse Adenylate cyclase 1 protein.

Properties

Form: Liquid
Storage instructions: 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.
Storage buffer: The antibody is in antibody stabilization buffer, with preservatives.
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab38331 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>
</tr>
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<tbody>
<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/500. Detects a band of approximately 127-130 kDa (predicted molecular weight: 124 kDa). Can be blocked with Adenylate cyclase 1 peptide (ab191587).</td>
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Target
This is a calmodulin-sensitive adenylyl cyclase. May be involved in regulatory processes in the central nervous system. It may play a role in memory acquisition and learning.

Brain, retina and adrenal medulla.

Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 2 guanylate cyclase domains.

Membrane.

**Function**

**Tissue specificity**

**Sequence similarities**

**Cellular localization**

**Images**

**All lanes**: Anti-Adenylate cyclase 1 antibody (ab38331) at 1/500 dilution

**Lane 1**: Mouse liver whole cell lysate

**Lane 2**: Mouse hepatocytes whole cell lysate

Lysates/proteins at 25 µg per lane.

**Secondary**

**All lanes**: HRP-conjugated goat anti-rabbit IgG polyclonal at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size**: 124 kDa

**Observed band size**: 127 kDa

*why is the actual band size different from the predicted?*

**Exposure time**: 25 seconds

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