**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>
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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
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<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**
Function
This is a calmodulin-sensitive adenyl cyclase. May be involved in regulatory processes in the central nervous system. It may play a role in memory acquisition and learning.

Tissue specificity
Brain, retina and adrenal medulla.

Sequence similarities
Belongs to the adenyl cyclase class-4/guanylyl cyclase family.
Contains 2 guanylate cyclase domains.

Cellular localization
Membrane.

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

Exposure time: 25 seconds

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

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