## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Annexin A1/ANXA1 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to Annexin A1/ANXA1</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: ICC, WB, IHC-P, ELISA, Flow Cyt</td>
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<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td></td>
<td>Predicted to work with: Cat, Chimpanzee</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Synthetic peptide corresponding to Human Annexin A1/ANXA1 aa 1-50 (N terminal).</td>
</tr>
<tr>
<td></td>
<td>Sequence: MAMVSEFLKQAWFIEESEQEYVQTVKSSKGPGSAV SPYPTFNPSDVA</td>
</tr>
<tr>
<td>Positive control</td>
<td>WB: HepG2 cell lysate. IHC-P: Human intestine.</td>
</tr>
</tbody>
</table>

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage buffer</td>
<td>Preservative: 0.09% Sodium azide Constituents: 2% Sucrose, PBS</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein A purified</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG</td>
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</tbody>
</table>

## Applications

Our Abpromise guarantee covers the use of ab33061 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity.

Sequence similarities
Belongs to the annexin family.
Contains 4 annexin repeats.

Domain
A pair of annexin repeats may form one binding site for calcium and phospholipid.

Post-translational modifications
Phosphorylated by protein kinase C, epidermal growth factor receptor/kinase and TRPM7. Phosphorylation results in loss of the inhibitory activity.

Cellular localization

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 20618702 Fixed with acetone.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1.25 µg/ml. Detects a band of approximately 33 kDa (predicted molecular weight: 39 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
</tr>
<tr>
<td>ELISA</td>
<td>1/62500</td>
<td></td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 22378018 ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.</td>
</tr>
</tbody>
</table>

Target

Function
Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity.

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Cellular localization

Images
Western blot analysis of HepG2 cell lysate labeling Annexin A1 with ab33061 at 1.25µg/ml.

Ab33061, at 4 µg/ml, staining Annexin A1 in paraffin embedded human intestine tissue sections by Immunohistochemistry. The arrows indicate the positively labelled cells (epithelial cells of intestinal glands). Magnification: 400X.

**All lanes**: Anti-Annexin A1/ANXA1 antibody (ab33061) at 2.5 µg/ml

**Lane 1**: HepG2 cell lysate

**Lane 2**: HepG2 cell lysate with blocking peptide at 2 µg/ml

Lysates/proteins at 25 µg per lane.

**Predicted band size**: 39 kDa
Lane 1: Anti-Annexin A1/ANXA1 antibody (ab33061) at 5 µg/ml
Lane 2: Anti-Annexin A1/ANXA1 antibody (ab33061) at 2.5 µg/ml
Lane 3: Anti-Annexin A1/ANXA1 antibody (ab33061) at 1.25 µg/ml

All lanes: Cell lysate prepared from human HepG2 cells

Lysates/proteins at 25 µg per lane.

Predicted band size: 39 kDa

Anti-Annexin A1/ANXA1 antibody (ab33061) at 1.25 µg/ml + Recombinant Human Annexin A1 protein (ab88803) at 0.01 µg

Secondary
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: 39 kDa

Exposure time: 3 minutes

ab33061 recognizes the tagged Annexin A1 protein which has an expected molecular weight of 68 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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