**Product datasheet**

**Anti-Perilipin-1 antibody ab61682**

★★★★★ 9 Abreviews  30 References  4 Images

### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-Perilipin-1 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Goat polyclonal to Perilipin-1</td>
</tr>
<tr>
<td>Host species</td>
<td>Goat</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Human</td>
</tr>
<tr>
<td></td>
<td>Predicted to work with: Rat, Dog</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Synthetic peptide corresponding to Human Perilipin-1 (C terminal).</td>
</tr>
<tr>
<td></td>
<td>Sequence: EPILGRAQYSQLRKK</td>
</tr>
</tbody>
</table>

### Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3</td>
</tr>
<tr>
<td>Purity</td>
<td>Immunogen affinity 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 **ab61682** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness.

Tissue specificity
Adipocytes.

Sequence similarities
Belongs to the perilipin family.

Post-translational modifications
Major cAMP-dependent protein kinase-substrate in adipocytes, also dephosphorylated by PP1.

When phosphorylated, may be maximally sensitive to HSL and when unphosphorylated, may play a role in the inhibition of lipolysis, by acting as a barrier to lipid droplet.

Cellular localization
Lipid droplet. Lipid droplet surface-associated.

Images
ab61682 staining Perilipin-1 in human adipose tissue sections by Immunohistochemistry (IHC-P - Formalin/PFA-fixed, paraffin-embedded sections). Tissue was fixed with 10% buffered formalin and blocked with 5% serum for 1 hour at 4°C; antigen retrieval was by heat mediation in 10mM sodium citrate buffer, pH 6. Samples were incubated with the primary antibody (1/100) for 12 hours at 4°C. A Cy3®-conjugated donkey anti-goat IgG polyclonal (1/200) was used as the secondary antibody.

Anti-Perilipin-1 antibody (ab61682) at 0.01 µg/ml + Human Adipose lysate at 35 µg

**Predicted band size:** 56 kDa

**Observed band size:** 56 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Perilipin-1 antibody (ab61682)

This image is courtesy of an anonymous Abreview

**ab61682** staining Perilipin-1 in mouse adipose tissue sections by Immunohistochemistry (IHC-P - Formalin/PFA-fixed, paraffin-embedded sections). Tissue was fixed with 10% buffered formalin and blocked with 5% serum for 1 hour at 21°C; antigen retrieval was by heat mediation in 10mM sodium citrate buffer, pH 6. Samples were incubated with the primary antibody (1/100) for 12 hours at 4°C. A Cy3 conjugated donkey anti-goat IgG polyclonal (1/200) was used as the secondary antibody.

Immunocytochemistry/ Immunofluorescence - Anti-Perilipin-1 antibody (ab61682)

Small lipid droplets preferentially stained in the periphery of differentiated 3T3-L1 adipocytes by ab61682 at a dilution of 1ug/ml.

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

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