

Product datasheet

Anti-Perilipin 3/TIP47 antibody ab47638

★★★★★ [1 Abreviews](#) [5 References](#) [5 Images](#)

Overview

Product name	Anti-Perilipin 3/TIP47 antibody
Description	Rabbit polyclonal to Perilipin 3/TIP47
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Daudi cell lysate, Rat Liver tissue lysate; IHC-P: Rat Liver tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

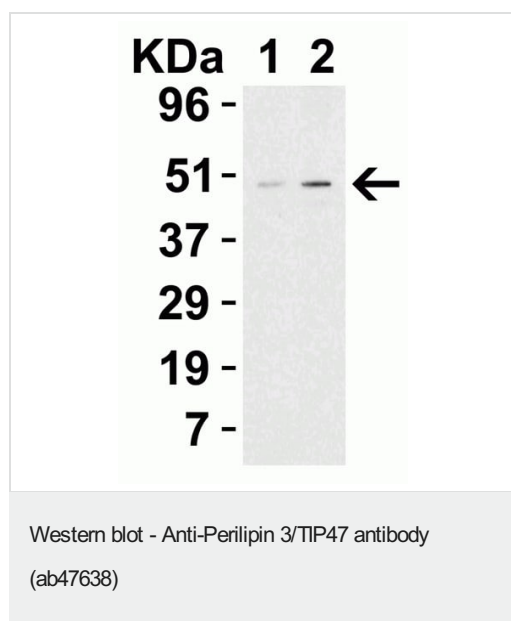
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab47638 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 4 µg/ml. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).
ICC/IF	★★★★★ (1)	Use a concentration of 20 µg/ml.
IHC-P		Use a concentration of 10 µg/ml.

Target

Function	Required for the transport of mannose 6-phosphate receptors (MPR) from endosomes to the trans-Golgi network.
Sequence similarities	Belongs to the perilipin family.
Cellular localization	Cytoplasm. Endosome membrane. Lipid droplet. Membrane associated on endosomes. Detected in the envelope and the core of lipid bodies and in lipid sails.

Images



Lane 1 : Anti-Perilipin 3/TIP47 antibody (ab47638) at 1 µg/ml

Lane 2 : Anti-Perilipin 3/TIP47 antibody (ab47638) at 2 µg/ml

All lanes : Daudi (human Burkitt's lymphoma cell line) cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

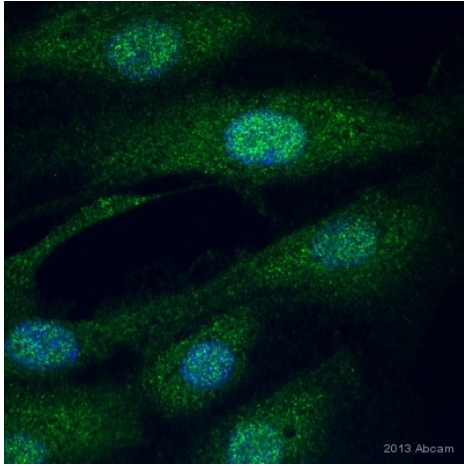
All lanes : Goat Anti-rabbit IgG (HRP) at 1/10000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Diluting buffer and concentration: 5% NFDm/TBST.

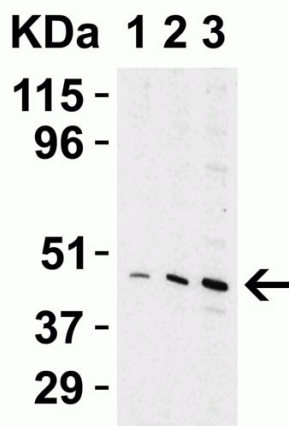
Primary incubated for 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence - Anti-Perilipin 3/TIP47 antibody (ab47638)

This image is courtesy of an Abreview submitted by Dimitra Kalamida

ab47638 staining Perilipin 3/TIP47 in Human HUVEC cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100, pH 7.4 for 5 minutes at room temperature and blocked with 5% BSA for 20 minutes at room temperature. Samples were incubated with primary antibody (1/500 in PBS) for 1 hour. A CF488A-conjugated Donkey anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody.



Western blot - Anti-Perilipin 3/TIP47 antibody (ab47638)

Lane 1 : Anti-Perilipin 3/TIP47 antibody (ab47638) at 0.5 µg/ml

Lane 2 : Anti-Perilipin 3/TIP47 antibody (ab47638) at 1 µg/ml

Lane 3 : Anti-Perilipin 3/TIP47 antibody (ab47638) at 2 µg/ml

All lanes : Rat Liver tissue lysate

Lysates/proteins at 15 µg per lane.

Secondary

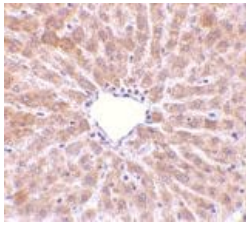
All lanes : Goat Anti-rabbit IgG (HRP) at 1/10000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Diluting buffer and concentration: 5% NFDm/TBST.

Primary incubated for 1 hour at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Perilipin 3/TIP47 antibody (ab47638)

ab47638 at 10 µg/ml staining Perilipin 3/TIP47 in rat liver tissue section by Immunohistochemistry (Formalin/ PFA fixed paraffin-embedded tissue sections).

Immunocytochemistry/ Immunofluorescence - Anti-Perilipin 3/TIP47 antibody (ab47638)

Immunofluorescence of Perilipin 3/TIP47 in Rat Liver cells using ab47638 at 20 µg/ml.

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