

Anti-Perilipin 3/TIP47 antibody ab47639

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Overview

Product name	Anti-Perilipin 3/TIP47 antibody
Description	Rabbit polyclonal to Perilipin 3/TIP47
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mouse NIH/3T3, L1210 and EL4 cell lysates. Human CaCo-2, Daudi, HeLa, HepG2, K562, Jurkat, SK-N-SH and THP-1 cell lysates.
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	<p>pH: 7.2</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab47639 in the following tested applications.

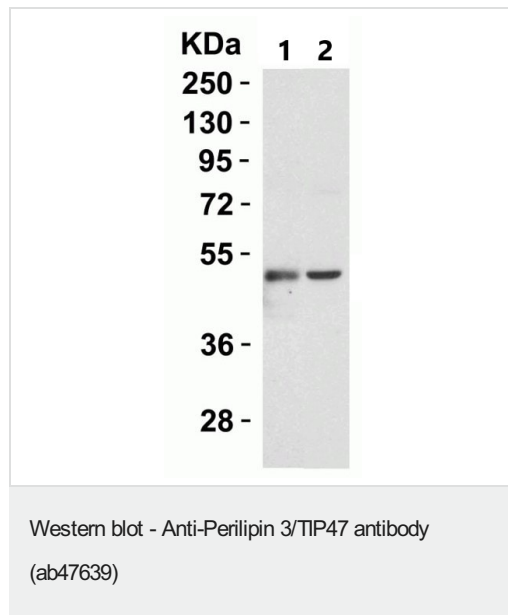
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 4 µg/ml. Detects a band of approximately 47, 46 kDa (predicted molecular weight: 47 kDa).

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



All lanes : Anti-Perilipin 3/TIP47 antibody (ab47639) at 1 µg/ml

Lane 1 : NIH/3T3 (mouse embryo fibroblast cell line) cell lysate

Lane 2 : L1210 (mouse lymphoblastic leukemia cell line) cell lysate

Lysates/proteins at 15 µg per lane.

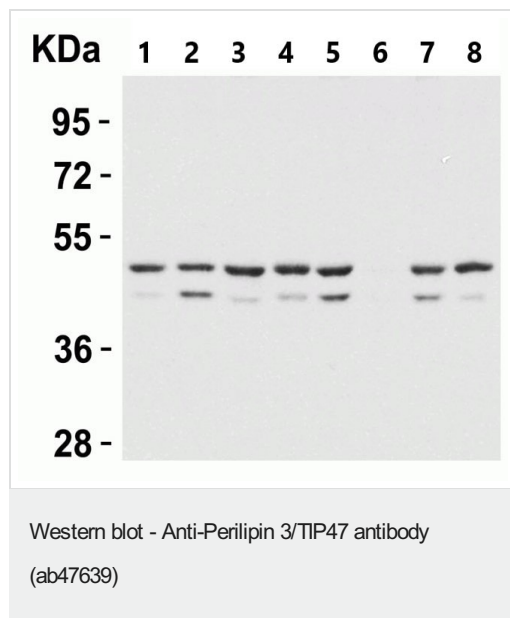
Secondary

All lanes : Goat Anti-rabbit IgG (HRP)

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.



All lanes : Anti-Perilipin 3/TIP47 antibody (ab47639) at 1 µg/ml

Lane 1 : CaCo-2 (human colorectal adenocarcinoma cell line) cell lysate

Lane 2 : Daudi (human Burkitt's lymphoma cell line) cell lysate

Lane 3 : HeLa (human epithelial cell line from cervix adenocarcinoma) cell lysate

Lane 4 : HepG2 (human liver hepatocellular carcinoma cell line) cell lysate

Lane 5 : K562 (human chronic myelogenous leukemia cell line from bone marrow) cell lysate

Lane 6 : Jurkat (human T cell leukemia cell line from peripheral blood) cell lysate

Lane 7 : SK-N-SH (human neuroblastoma cell line) cell lysate

Lane 8 : THP-1 (human monocytic leukemia cell line) cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

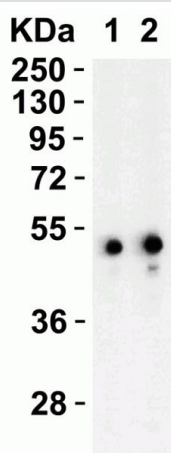
All lanes : Goat Anti-rabbit IgG (HRP) at 1/10000 dilution

Predicted band size: 47 kDa

Additional bands at: 47 kDa. We are unsure as to the identity of these extra bands.

Diluting buffer and concentration: 5% NFDm/TBST. Primary incubated for 1 hour at room temperature.

Ab47639 can detect human isoforms 1, 3 and 4 which may account for the additional band.



Western blot - Anti-Perilipin 3/TIP47 antibody
(ab47639)

Lane 1 : Anti-Perilipin 3/TIP47 antibody (ab47639) at 1 µg/ml

Lane 2 : Anti-Perilipin 3/TIP47 antibody (ab47639) at 2 µg/ml

All lanes : EL4 (mouse T cell lymphoblast cell line) cell lysate

Lysates/proteins at 15 µg per lane.

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.

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

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