


Product datasheet

Anti-PNPLA3 antibody ab81874

★★★★★ [2 Abreviews](#) [16 References](#) [2 Images](#)

Overview

Product name	Anti-PNPLA3 antibody
Description	Rabbit polyclonal to PNPLA3
Host species	Rabbit
Specificity	From Mar 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab102097)
Positive control	This antibody gave a positive signal in the following lysates: Human Liver Tissue; HepG2 Whole Cell Lysate.
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). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

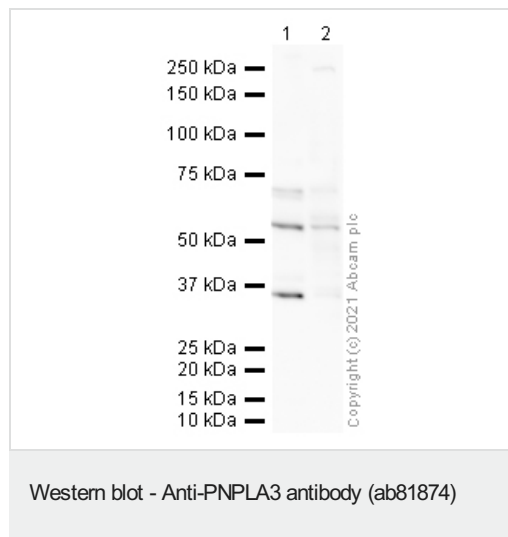
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab81874 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (2)	Use a concentration of 1 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 53 kDa).

Target

Relevance	PNPLA3 is a multifunctional enzyme which has both triacylglycerol lipase and acylglycerol O-acyltransferase activities. It contains one patatin domain.
Cellular localization	Membrane; Single pass type II membrane protein

Images



All lanes : Anti-PNPLA3 antibody (ab81874) at 1 µg/ml

Lane 1 : Human liver tissue lysate

Lane 2 : HepG2 whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

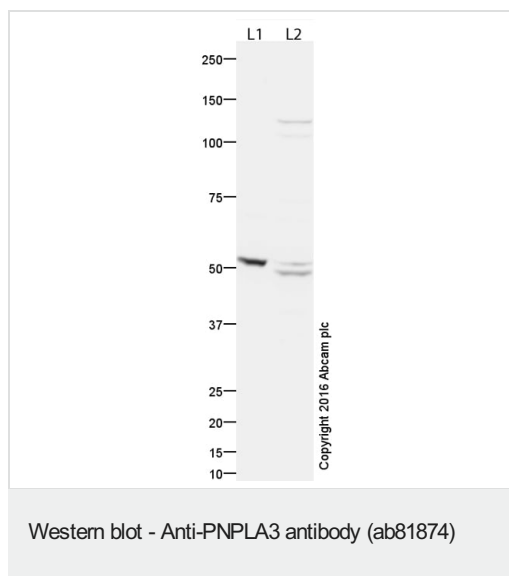
Predicted band size: 53 kDa

Observed band size: 35,55,70 kDa

Blocking buffer: 2% BSA

Gel type: MOPS

Exposure Time: 12 minutes



All lanes : ab81874 at 1 µg/ml

Lane 1 : Human liver

Lane 2 : Human whole cell lysate HepG2

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : ab97080 at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 53 kDa

Observed band size: 52 kDa

Additional bands at: 120 kDa, 48 kDa. We are unsure as to the identity of these extra bands.

The PNPLA3 sequence contains two glycosylation sites (Swissprot data). The additional band close to the band of interest might be a glycosylated form of PNPLA3. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.

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

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