

## Product datasheet

# Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] $\alpha$ b124801

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [8 References](#) [4 Images](#)

### Overview

<b>Product name</b>	Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717]
<b>Description</b>	Rabbit monoclonal [EPR5717] to Niemann Pick C1 Like 1/NPC1L1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human fetal liver and HeLa lysates; Human liver tissue.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5717
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab124801 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

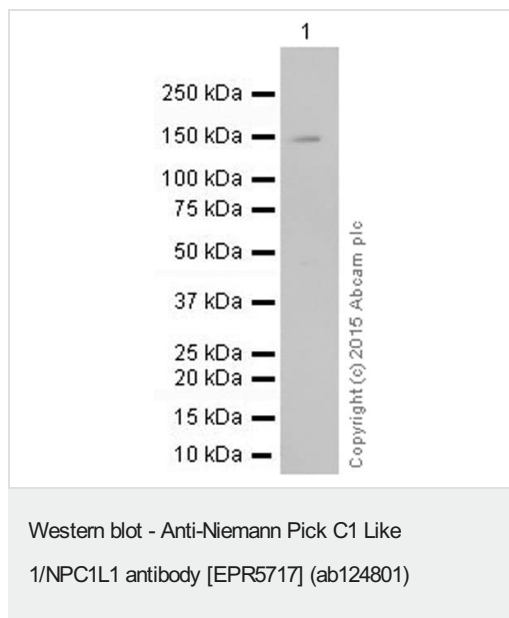
Application	Abreviews	Notes
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 149 kDa (predicted molecular weight: 149 kDa).

**Application notes** Is unsuitable for ICC/IF or IHC-P.

## Target

<b>Function</b>	Play a major role in cholesterol homeostasis. Is critical for the uptake of cholesterol across the plasma membrane of the intestinal enterocyte. Is the direct molecular target of ezetimibe, a drug that inhibits cholesterol absorption. Lack of activity leads to multiple lipid transport defects. The protein may have a function in the transport of multiple lipids and their homeostasis, and may play a critical role in regulating lipid metabolism.
<b>Tissue specificity</b>	Widely expressed. Expressed in liver. Also expressed in small intestine, pancreas, kidney, lung, pancreas, spleen, heart, gall bladder, brain, testis, stomach and muscle.
<b>Sequence similarities</b>	Belongs to the patched family. Contains 1 SSD (sterol-sensing) domain.
<b>Post-translational modifications</b>	Highly glycosylated.
<b>Cellular localization</b>	Apical cell membrane. Cell membrane. Cytoplasmic vesicle membrane. Subfractionation of brush border membranes from proximal enterocytes suggests considerable association with the apical membrane fraction. Exists as a predominantly cell surface membrane expressed protein (By similarity). According to PubMed:15671032, localizes in a subcellular vesicular compartment rich in RAB5.

## Images



Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab124801) at 1/1000 dilution (purified) + HeLa whole cell lysate at 10 µg

#### Secondary

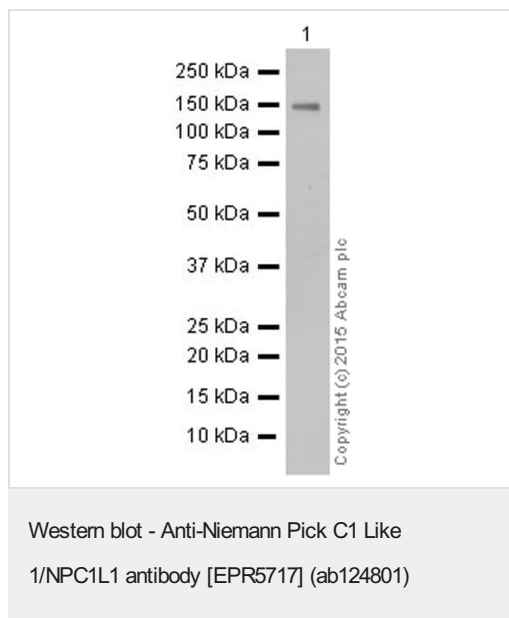
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 149 kDa

**Observed band size:** 149 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab124801) at 1/10000 dilution (purified) + Human fetal liver tissue lysate at 10 µg

#### Secondary

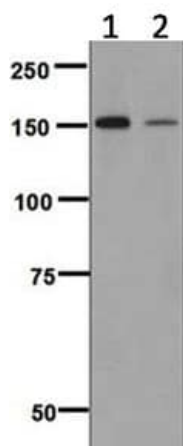
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 149 kDa

**Observed band size:** 149 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab124801)

**All lanes** : Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab124801) at 1/1000 dilution (unpurified)

**Lane 1** : Human fetal liver lysates

**Lane 2** : HeLa lysates

Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes** : Goat anti-Rabbit HRP at 1/2000 dilution

**Predicted band size:** 149 kDa

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab124801)

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

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