

HRP Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] α b201773

Recombinant RabMAb

[1 References](#) [2 Images](#)

Overview

Product name	HRP Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717]
Description	HRP Rabbit monoclonal [EPR5717] to Niemann Pick C1 Like 1/NPC1L1
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human fetal liver tissue lysate. IHC-P: FFPE normal human liver tissue sections.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.1% Proclin 300 Solution</p> <p>Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5717

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab201773 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		1/5000. Detects a band of approximately 149 kDa (predicted molecular weight: 149 kDa).

Target

Function

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.

Tissue specificity

Widely expressed. Expressed in liver. Also expressed in small intestine, pancreas, kidney, lung, pancreas, spleen, heart, gall bladder, brain, testis, stomach and muscle.

Sequence similarities

Belongs to the patched family.
Contains 1 SSD (sterol-sensing) domain.

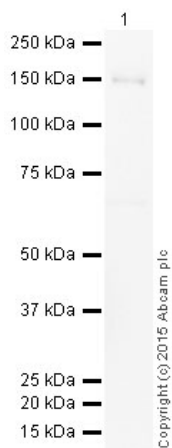
Post-translational modifications

Highly glycosylated.

Cellular localization

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



Western blot - HRP Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab201773)

HRP Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab201773) at 1/5000 dilution + Liver (Human) Tissue Lysate - fetal normal tissue at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 149 kDa

Observed band size: 149 kDa

Exposure time: 12 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab201773 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

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

HRP Anti-Niemann Pick C1 Like 1/NPC1L1 antibody [EPR5717] (ab201773)

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

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