

Product datasheet

Anti-Niemann Pick C1 Like 1 antibody ab121037

Overview

Product name	Anti-Niemann Pick C1 Like 1 antibody
Description	Goat polyclonal to Niemann Pick C1 Like 1
	<p> This product is a fast track antibody. It has been affinity purified and shows high titre values against the immunizing peptide by ELISA. Read the terms of use »</p>
Host species	Goat
Species reactivity	<p>Predicted to work with: Mouse, Rat </p>
Immunogen	<p>Synthetic peptide: SEPSCPQYFPAD , corresponding to amino acids 1288-1300 near the C terminal of Mouse Niemann Pick C1 Like 1 (NP_997125.2).</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </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 long term.
Storage buffer	<p>pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA</p>
Purity	Immunogen affinity purified
Purification notes	ab121037 is purified from Goat serum by ammonium sulphate precipitation, followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Fast track antibodies constitute a diverse group of products that have been released to accelerate your research, but are not yet fully

characterized. They have all been affinity purified and show high titre values against the immunizing peptide (by ELISA).

[Fast track terms of use](#)

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Preliminary experiments in Mouse and Rat Liver and Lung lysates gave no specific signal but low background (at antibody concentration up to 1 µg/ml).

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.

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