

Product datasheet

Anti-Niemann Pick C1 Like 1 antibody ab121000

1 References

Overview

<b>Product name</b>	Anti-Niemann Pick C1 Like 1 antibody
<b>Description</b>	Goat polyclonal to Niemann Pick C1 Like 1
	<div style="border: 1px solid #ccc; background-color: #e6f2ff; padding: 10px;"> <p> This product is a <a href="#">fast track antibody</a>. It has been affinity purified and shows high titre values against the immunizing peptide by ELISA. <a href="#">Read the terms of use »</a></p> </div>
<b>Host species</b>	Goat
<b>Species reactivity</b>	<p><b>Predicted to work with:</b> Mouse, Rat, Rabbit, Human, Cynomolgus monkey, Chinese hamster</p> <p></p>
<b>Immunogen</b>	<p>Synthetic peptide:</p> <p>CLSNTPARHVTGDH</p> <p>, corresponding to N terminal amino acids 56-69 of Mouse Niemann Pick C1 Like 1 protein (NP_997125.2).</p> <p style="text-align: right;">  <a href="#">Run BLAST with</a>                 <a href="#">Run BLAST with</a> </p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	<p>pH: 7.30</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 99% Tris buffered saline, 0.5% BSA</p>
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	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
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WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 147 kDa. This antibody did not give bands in initial tests on lysate/cell line, we would welcome your feedback if you have tested this antibody in more suitable positive controls.
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## 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.

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