

Datasheet for ABIN1881583
anti-NPC1L1 antibody (N-Term)[Go to Product page](#)**1** Image **5** Publications

Overview

| | |
|----------------------|---------------------------------------|
| Quantity: | 400 µL |
| Target: | NPC1L1 |
| Binding Specificity: | AA 294-323, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This NPC1L1 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

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| Immunogen: | This NPC1L1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 294-323 amino acids from the N-terminal region of human NPC1L1. |
| Clone: | RB42754 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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|-------------------|---|
| Target: | NPC1L1 |
| Alternative Name: | NPC1L1 (NPC1L1 Products) |
| Background: | The protein encoded by this gene is a multi-pass membrane protein. It contains a conserved N- |

Target Details

terminal Niemann-Pick C1 (NPC1) domain and a putative sterol-sensing domain (SSD) which includes a YQRL motif functioning as a plasma membrane to trans-Golgi network transport signal in other proteins. This protein takes up free cholesterol into cells through vesicular endocytosis and plays a critical role in the absorption of intestinal cholesterol. It also has the ability to transport alpha-tocopherol (vitamin E). The drug ezetimibe targets this protein and inhibits the absorption of intestinal cholesterol and alpha-tocopherol. In addition, this protein may play a critical role in regulating lipid metabolism. Polymorphic variations in this gene are associated with plasma total cholesterol and low-density lipoprotein cholesterol (LDL-C) levels and coronary heart disease (CHD) risk. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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| Molecular Weight: | 148728 |
| NCBI Accession: | NP_001095118 , NP_037521 |
| UniProt: | Q9UHC9 |

Application Details

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| Application Notes: | WB: 1:1000 |
| Restrictions: | For Research Use only |

Handling

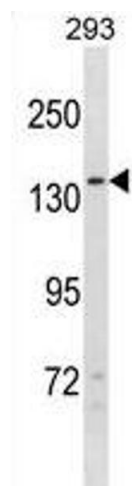
| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |

Publications

| | |
|-------------------|--|
| Product cited in: | Akpa, Oyejola: "Modeling the transmission dynamics of HIV/AIDS epidemics: an introduction and a review." in: Journal of infection in developing countries , Vol. 4, Issue 10, pp. 597-608, (2010) (PubMed). |
|-------------------|--|

Kladney, Cardiff, Kwiatkowski, Chiang, Weber, Arbeit, Lu: "Tuberous sclerosis complex 1: an epithelial tumor suppressor essential to prevent spontaneous prostate cancer in aged mice." in: **Cancer research**, Vol. 70, Issue 21, pp. 8937-47, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. NPC1L1 Antibody (N-term) (ABIN1881583 and ABIN2839095) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the NPC1L1 antibody detected the NPC1L1 protein (arrow).