

Anti-NPC1L1 Rabbit Monoclonal Antibody

Catalog # ABO15565

Product Information

Application	WB
Primary Accession	Q9UHC9
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-NPC1L1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human.

Additional Information

Gene ID	29881
Other Names	NPC1-like intracellular cholesterol transporter 1 {ECO:0000312 HGNC:HGNC:7898}, NPC1L1, Niemann-Pick C1-like protein 1, NPC1L1 (HGNC:7898)
Calculated MW	148728
Application Details	WB 1:500-1:2000
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 21N41
Immunogen	A synthesized peptide derived from human NPC1L1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	NPC1L1 (HGNC:7898)
Function	Plays a major role in cholesterol homeostasis (PubMed: 22095670). Critical for the uptake of cholesterol across the plasma membrane of the intestinal enterocyte (PubMed: 22095670). Involved in plant sterol absorption, it transports sitosterol, although at lower rates than cholesterol (By similarity).

Is the direct molecular target of ezetimibe, a drug that inhibits cholesterol absorption and is approved for the treatment of hypercholesterolemia (PubMed:[15928087](#)). May have a function in the transport of multiple lipids and their homeostasis, thereby influencing lipid metabolism regulation (PubMed:[15671032](#)). May be involved in caveolin trafficking from the plasma membrane (By similarity). In addition, acts as a negative regulator of NPC2 and down-regulates its expression and secretion by inhibiting its maturation and accelerating its degradation (PubMed:[22095670](#)).

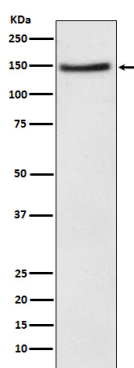
Cellular Location

Apical cell membrane; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:Q6T3U3}; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=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.

Tissue Location

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

Images



Western blot analysis of Niemann Pick C1 Like 1 expression in HeLa cell lysate.

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