

# Niemann Pick C1 Like 1 Rabbit mAb

Catalog # AP76991

## Product Information

---

Application	WB
Primary Accession	<a href="#">Q9UHC9</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human NPC1L1
Purification	Affinity Chromatography
Calculated MW	148728

## Additional Information

---

Gene ID	29881
Other Names	NPC1L1
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

---

Name	NPC1L1 ( <a href="#">HGNC:7898</a> )
Function	Plays a major role in cholesterol homeostasis (PubMed: <a href="#">22095670</a> ). Critical for the uptake of cholesterol across the plasma membrane of the intestinal enterocyte (PubMed: <a href="#">22095670</a> ). 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: <a href="#">15928087</a> ). May have a function in the transport of multiple lipids and their homeostasis, thereby influencing lipid metabolism regulation (PubMed: <a href="#">15671032</a> ). 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: <a href="#">22095670</a> ).
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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.