

NPCL1 rabbit pAb

Catalog No :	YT8127
Reactivity :	Human;Mouse;Rat
Applications :	IHC;WB
Target :	NPCL1
Gene Name :	NPCL1
Protein Name :	Niemann-Pick C1-like protein 1
Human Gene Id :	29881
Human Swiss Prot No :	Q9UHC9
Mouse Gene Id :	237636
Mouse Swiss Prot No :	Q6T3U4
Rat Gene Id :	432367
Rat Swiss Prot No :	Q6T3U3
Immunogen :	Synthesized peptide derived from human C-terminal NPCL1
Specificity :	This antibody detects endogenous levels of NPCL1 at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 149kD

Function : Plays 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. Acts as a negative regulator of NPC2 and down-regulates its expression and secretion by inhibiting its maturation and accelerating its degradation.

Subcellular Location : Apical cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane ; Multi-pass membrane protein . 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. .

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

Products Images