

## NPCL1 rabbit pAb

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

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	149kD
<b>Function :</b>	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.
<b>Subcellular Location :</b>	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. .
<b>Expression :</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>Sort :</b>	999
<b>No4 :</b>	1

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