ELK Biotechnology

NPC1 rabbit pAb

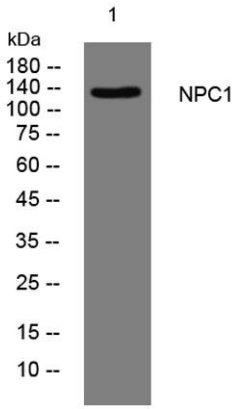
Cat No.:ES14463

For research use only

Overview

Product Name	NPC1 rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse
Recommended dilutions	WB 1：500-2000
Immunogen	Synthesized peptide derived from human NPC1 AA range: 1073-1123
Specificity	This antibody detects endogenous levels of NPC1 at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	NPC1
Gene Name	NPC1
Cellular localization	Late endosome membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	4864
Human Swiss-Prot Number	O15118
Alternative Names	
Background	This gene encodes a large protein that resides in the limiting membrane of endosomes and lysosomes and mediates intracellular cholesterol trafficking via binding of cholesterol to its N-terminal domain. It is predicted to have a cytoplasmic C-terminus, 13 transmembrane domains, and 3 large loops in the lumen of the endosome - the last loop being at the

N-terminus. This protein transports low-density lipoproteins to late endosomal/lysosomal compartments where they are hydrolized and released as free cholesterol. Defects in this gene cause Niemann-Pick type C disease, a rare autosomal recessive neurodegenerative disorder characterized by over accumulation of cholesterol and glycosphingolipids in late endosomal/lysosomal compartments.[provided by RefSeq, Aug 2009],



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4°over night

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