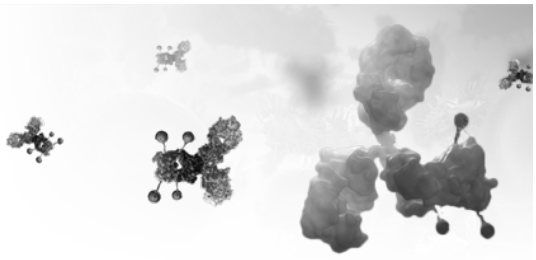

Mouse Npc1 blocking peptide (CDBP2083)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Npc1(mouse) antibody
Antigen Description	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]
Species	Mouse
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	Npc1 Niemann Pick type C1 [Mus musculus]
Official Symbol	Npc1

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Synonyms	NPC1; Niemann Pick type C1; Niemann-Pick C1 protein; sphingomyelinosis; spm; lcsd; C85354; nmf164; D18Ertd139e; D18Ertd723e; A430089E03Rik;
Entrez Gene ID	18145
mRNA Refseq	NM_008720
Protein Refseq	NP_032746
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	protein binding;

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