



Rabbit Anti-Human NPC2 monoclonal antibody, clone S142 (CABT-ZB856)

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

PRODUCT INFORMATION

Specificity	It reacts with Human NPC2
Target	NPC2
Immunogen	Recombinant Human NPC2 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S142
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB469 - CABT-ZB856 This antibody will detect NPC2 in antibody pair set. [ABPR-ZB044]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human NPC2.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction Niemann-Pick Type C2 (NPC2) plays an important role in the regulation of intracellular cholesterol homeostasis via direct binding with free cholesterol. NPC2 is an intralysosomal protein that binds cholesterol in vitro. NPC2 is a small lysosomal glycoprotein that binds cholesterol with submicromolar affinity. Deficiency in NPC2 is the cause of Niemann-Pick type C2 disease, a fatal neurovisceral disorder characterized by the accumulation of cholesterol in lysosomes. Niemann-Pick disease, type C2 (NPC2) protein is one of the most abundant components of the epididymal fluid and contains a functional cholesterol-binding site that can transfer cholesterol between membranes, it has been suggested for years that NPC2 could be involved in the regulation of cholesterol levels in spermatozoa during epididymal maturation.

Keywords NPC2; Niemann-Pick disease, type C2; HE1; EDDM1

GENE INFORMATION

Synonyms NPC2; Niemann-Pick disease, type C2; HE1; EDDM1; epididymal secretory protein E1; epididymal protein 1; tissue-specific secretory protein; human epididymis-specific protein 1; Niemann-Pick disease type C2 protein

Entrez Gene ID [10577](#)

UniProt ID [P61916](#)