



Mouse Anti-Human PCSK9 monoclonal antibody, clone NN31 (CABT-ZB959)

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

PRODUCT INFORMATION

Specificity	It reacts with Human PCSK9
Target	PCSK9
Immunogen	Recombinant Human PCSK9 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN31
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB609 - CABT-ZB959 This antibody will detect PCSK9 in antibody pair set. [ABPR-ZB187]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human PCSK9. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 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	Proprotein convertase subtilisin/kexin type 9 (PCSK9), also known as NARC1 (neural apoptosis regulated convertase), which is a newly identified human secretory subtilase belonging to the proteinase K subfamily of the secretory subtilase family. PCSK9 protein is an enzyme which in humans is encoded by the PCSK9 gene with orthologs found across many species. It is expressed in neuroepithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells. PCSK9 protein is highly expressed in the liver and regulates low density lipoprotein receptor (LDLR) protein levels. Inhibition of PCSK9 protein function is currently being explored as a means of lowering cholesterol levels. Thereby, PCSK9 protein is regarded as a new strategy to treat hypercholesterolemia. PCSK9 protein contributes to cholesterol homeostasis and may have a role in the differentiation of cortical neurons.
Keywords	PCSK9; proprotein convertase subtilisin/kexin type 9; FH3; PC9

GENE INFORMATION

Synonyms	PCSK9; proprotein convertase subtilisin/kexin type 9; FH3; PC9; NARC1; LDLCQ1; NARC-1; HCHOLA3; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; convertase subtilisin/kexin type 9 preproprotein; ALD306
Entrez Gene ID	255738
UniProt ID	Q8NBP7