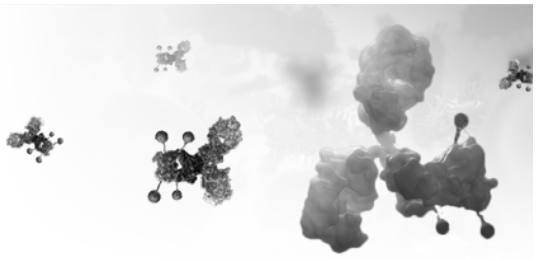

# Mouse Anti-Rat PCSK9 monoclonal antibody, clone NN17 (CABT-ZB488)

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

## PRODUCT INFORMATION

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|---|---|
| **Specificity** | It reacts with Rat PCSK9 |
| **Target** | PCSK9 |
| **Immunogen** | Recombinant Rat PCSK9/NARC1 Protein |
| **Isotype** | IgG1 |
| **Source/Host** | Mouse |
| **Species Reactivity** | Rat |
| **Clone** | NN17 |
| **Purification** | Protein A purified |
| **Conjugate** | Unconjugated |
| **Applications** | ELISA(cap)<br>We recommend the following for sandwich ELISA (Capture - Detection):<br>CABT-ZB488 - CABT-ZB864<br>This antibody will detect PCSK9 in antibody pair set. [ABPR-ZB063] |
| **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 Rat PCSK9 / NARC1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| **Format** | Purified, Liquid |
| **Concentration** | Lot specific |

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| | |
|---|---|
| **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

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| **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

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|---|---|
| **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** | 298296 |
| **UniProt ID** | P59996 |

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