

Datasheet for ABIN5007282

**anti-PCSK9 antibody (AA 231-330) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | PCSK9                                                                                                                          |
| Binding Specificity: | AA 231-330                                                                                                                     |
| Reactivity:          | Human, Rat, Mouse                                                                                                              |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This PCSK9 antibody is conjugated to AbBy Fluor® 680                                                                           |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                   |                                                                 |
|-------------------|-----------------------------------------------------------------|
| Immunogen:        | KLH conjugated synthetic peptide derived from human PCSK9/NARC1 |
| Isotype:          | IgG                                                             |
| Cross-Reactivity: | Human, Mouse, Rat                                               |
| Purification:     | Purified by Protein A.                                          |

## Target Details

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Target:           | PCSK9                                                                     |
| Alternative Name: | NARC1 ( <a href="#">PCSK9 Products</a> )                                  |
| Background:       | Synonyms: FH3, PC9, NARC1, LDLQC1, NARC-1, HCHOLA3, Proprotein convertase |

## Target Details

subtilisin/kexin type 9, Neural apoptosis-regulated convertase 1, Proprotein convertase 9, Subtilisin/kexin-like protease PC9, PCSK9, PSEC0052

Background: Crucial player in the regulation of plasma cholesterol homeostasis. Binds to low-density lipid receptor family members: low density lipoprotein receptor (LDLR), very low density lipoprotein receptor (VLDLR), apolipoprotein E receptor (LRP1/APOER) and apolipoprotein receptor 2 (LRP8/APOER2), and promotes their degradation in intracellular acidic compartments (PubMed:18039658). Acts via a non-proteolytic mechanism to enhance the degradation of the hepatic LDLR through a clathrin LDLRAP1/ARH-mediated pathway. May prevent the recycling of LDLR from endosomes to the cell surface or direct it to lysosomes for degradation. Can induce ubiquitination of LDLR leading to its subsequent degradation (PubMed:18799458, PubMed:17461796, PubMed:18197702, PubMed:22074827). Inhibits intracellular degradation of APOB via the autophagosome/lysosome pathway in a LDLR-independent manner. Involved in the disposal of non-acetylated intermediates of BACE1 in the early secretory pathway (PubMed:18660751). Inhibits epithelial Na(+) channel (ENaC)-mediated Na(+) absorption by reducing ENaC surface expression primarily by increasing its proteasomal degradation. Regulates neuronal apoptosis via modulation of LRP8/APOER2 levels and related anti-apoptotic signaling pathways.

Gene ID: 255738

UniProt: [Q8NBP7](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |