

Datasheet for ABIN3032340

anti-PCSK9 antibody (C-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	PCSK9
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCSK9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This PCSK9 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 654-688 amino acids from the C-terminal region of human PCSK9.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	PCSK9
Alternative Name:	PCSK9 (PCSK9 Products)
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

Target Details

(LRP8/APOER2), and promotes their degradation in intracellular acidic compartments. 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. 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. 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.

UniProt: [Q8NBP7](#)

Application Details

Application Notes: Titration of the PCSK9 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

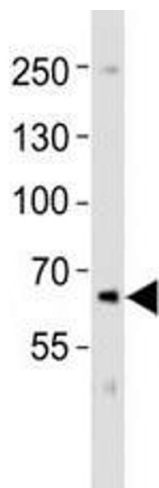
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

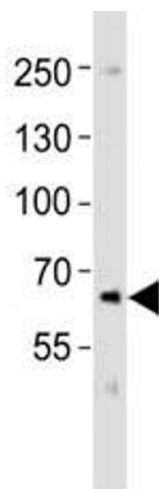
Storage: -20 °C

Storage Comment: Aliquot the PCSK9 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of lysate from SK-N-MC cell line using PCSK9 antibody at 1:1000. Predicted size: Pro/mature ~74/64 kDa



Western Blotting

Image 2. Western blot analysis of lysate from SK-N-MC cell line using PCSK9 antibody at 1:1000. Predicted size: Pro/mature ~74/64 kDa