



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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**Proprotein convertase subtilisin/kexin type 9 (PCSK9), NARC1 BLOCKING EPI TOPE.**  
Rabbit Antigen Immunoaffinity Purified Polyclonal  
Proprotein convertase PC9, Subtilisin/kexin-like protease PC9, Neural apoptosis-regulated convertase 1

**BACKGROUND**

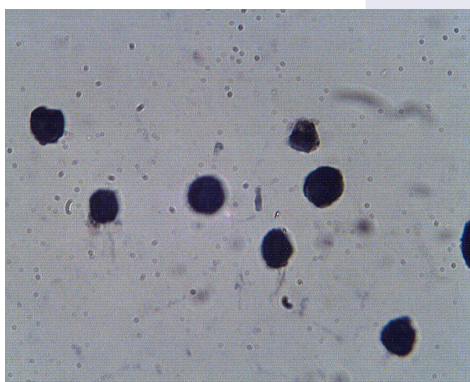
This antibody is made to an epitope that is reported to block the PCSK9-LDLR (low density lipoprotein receptor) interaction. PCSK9 binds to the EGF-A domain of the LDLR and signals LDLR degradation. Reduced LDLR levels result in decreased LDL (low density lipid) metabolism leading to hypercholesterolemia.

Additionally, PCSK9 may be implicated in the differentiation of cortical neurons and may also play a role in cholesterol homeostasis. Defects in PCSK9 gene are the cause of familial hypercholesterolemia 3 (FH3). The protein is thought to play a central role in cholesterol homeostasis

**IMMUNOGEN**

Synthetic peptide derived from the human PCSK9 protein reported to block PCSK9-LDLR interaction.

Staining of Hep G2 cells with PCSK9 antibody (Cat. No. X2470P) at 2  $\mu$ g/ml.



**ORDERING INFORMATION**

**CATALOG NUMBER**  
X2740P

**SIZE**

100  $\mu$ g

**FORM**

Affinity Purified

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot, Functional epitope reported to block PCSK9-LDLR interaction. ELISA

**SPECIES REACTIVITY**

Human

**ACCESSION NUMBER**

Human Q8NBP7

**POSITIVE CONTROL/TISSUE EXPRESSION**

Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.

**COMMENTS**

Antibody can be used for Western blotting (1:400 dilution) and immunocytochemistry (2 µg/ml). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Antigen Immunoaffinity Purification

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

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4. Am J Hum Genet. 2006 Mar;78(3):410-22. Epub 2006 Jan 20. A spectrum of PCSK9 alleles contributes to plasma levels of low-density lipoprotein cholesterol. Kotowski IK, et al
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7. J Hum Genet. 2004;49(2):109-14. Epub 2004 Jan 15. Genetic variants in PCSK9 affect the cholesterol level in Japanese. Shioji K, et al
8. Atherosclerosis. 2005 Oct;182(2):331-40. Genetic screening protocol for familial hypercholesterolemia which includes splicing defects gives an improved mutation detection rate. Graham CA et al
9. Cell. 2006 Nov 3;127(3):635-48. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen J V et al
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**PRODUCT SPECIFIC REFERENCES**