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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Proprotein convertase subtilisin/kexin type 9 (PCSK9), NARC1. Rabbit Antigen Immunoaffinity Purified Polyclonal

Proprotein convertase PC9, Subtilisin/kexin-like protease PC9, Neural apoptosis-regulated convertase 1

Background

This anitbody 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.

Additioanlly, 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 homeostais. For an antibody that targets the blocking epitope of the PCSK-LDLR interaction use X2404P.

Ordering Information

Catalog Number
X2665P

Size
10 Miniblots

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, ELISA

Species Reactivity
Human

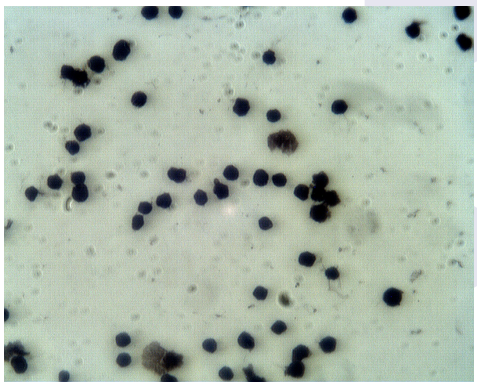
Accession Number

Human	Q8NBP7

Immunogen

Synthetic peptide (interanal sequence) targeting a non-blocking epitope.

Staining of Hep G2 cells using PCSK9 antibody at 2 μg/ml.



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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 (10 μg/ml). Optimal concentration should be evaluated by serial dilutions.

Purification

Antigen Immunoaffiinity Purification

Ship Conditions

Ship at ambient temperature, freeze upon arrival

Storage Customer

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

Stability

Products are stable for one year from purchase when stored properly

References

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3. Hum Mutat. 2005 Nov;26(5):497. Novel mutations of the PCSK9 gene cause variable phenotype of autosomal dominant hypercholesterolemia. Allard D et al
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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
10. J Am Coll Cardiol. 2005 May 17;45(10):1611-9. Epub 2005 Apr 21. A common PCSK9 haplotype, encompassing the E670G coding single nucleotide polymorphism, is a novel genetic marker for plasma low-density lipoprotein cholesterol levels and severity of coronary atherosclerosis. Chen SN et al

Product Specific References

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