

Rat PCSK9/NARC1 ELISA Kit | PCSK9/NARC1 elisa kit

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CATALOG #
AAA258496

REACTIVITY
Rat

PRODUCT SYNONYMS

PCSK9/NARC1; Rat PCSK9/NARC1 ELISA Kit; PCSK9 ELISA Kit; Rat; proprotein convertase subtilisin/kexin type 9; PCSK9/NARC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	For the quantitative determination of Rat PCSK9/NARC1 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	23.44-1500pg/mL
Sensitivity	4.45pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

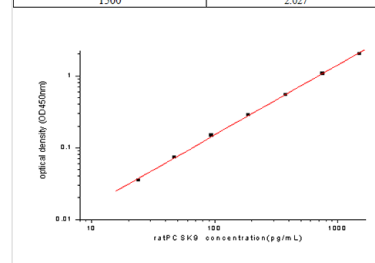
IMAGES

Recombinant human	
PCSK1	PCSK9
Recombinant mouse	
PCSK9	

Application Data

This assay recognizes both recombinant and natural Rat PCSK9. The factors listed below were prepared at 75ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
24	0.035
47	0.073
94	0.149
188	0.288
375	0.545
750	1.074
1500	2.027



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for PCSK9/NARC1 elisa kit	This PCSK9 ELISA Kit, Rat is an enzyme-linked immunosorbent assay for the quantitative measurement of Rat PCSK9 protein in Serum. It contains recombinant Rat PCSK9, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: 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.
References	Sseidah, N.G. et al., 2003, Proc. Natl. Acad. Sci. USA. 100: 928-933. Beyer, T.P. et al., 2007, J. Lipid. Res. 48: 1488-1498Shan, L. et al., 2008, Biochem. Biophys. Res. Commun. 375: 69-73. Benjannet, S. et al., 2005, J. Biol. Chem. 279: 48865-48875. Abifadel, M. et al., 2003, Nat. Genet. 34: 154-156.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/pcsk9-narc1/258496>