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JOT0125-1: Anti-PCSK9 VHH antibody

Clonality : Monoclonal
Application : ELISA
Reactivity : Human
Isotype : Camelid VHH

Description

Alpaca derived anti-PCSK9 VHH single domain antibody (molecular weight: 14.8 kDa) with a 6*His tag at its C-terminal , expressed in E. coli under conditions free from animal derived components.

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.

This is a product from Jotbody, Hong Kong. This antibody is made available worldwide by ABEOMICS Inc.

Product Info

Amount :	100 µg / 50 µg
Purification :	Affinity chromatography purified via Ni-charged resin. Purity: > 95% as determined by SDS-PAGE
Content :	1mg/mL Buffer25 mM TAPS pH8.5, 500 mM NaCl, 5 mM EDTA, 0.09 % NaN3
Storage condition :	4°C; Do not freeze.

Application Note

Positive controls: Positive ELISA detected in: recombinant human proprotein convertase subtilisin/kexin type 9 (PCSK9) protein
Recommended dilutions : ELISA 1:500-1:1 500 000

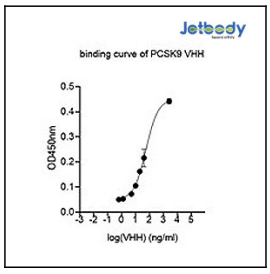

Figure 1: Indirect ELISA showing anti-PCSK9 VHH antibody (JOT0125-1) binding to purified PCSK9. Plates were coated with 100ng/well purified protein and binding of JOT0125-1 assessed in serial dilution from 0.62ng/ml primary antibody in triplicate.