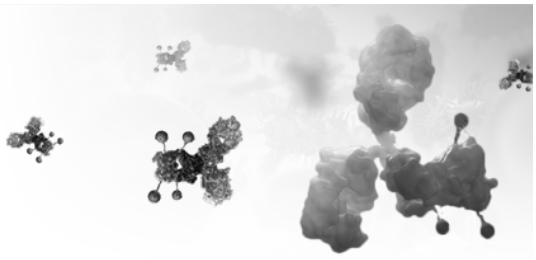

# Anti-PCSK9 (internal region) polyclonal antibody (DPAB-DC1219)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

| | |
|---|---|
| **Antigen Description** | This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants. |
| **Immunogen** | A synthetic peptide corresponding to amino acids at internal region of human PCSK9. The sequence is C-PRYRADEYQPPD |
| **Source/Host** | Goat |
| **Species Reactivity** | Human |
| **Purification** | Antigen affinity purification |
| **Conjugate** | Unconjugated |
| **Applications** | WB (Transfected lysate), ELISA, |
| **Format** | Liquid |
| **Concentration** | 0.5 mg/mL |
| **Size** | 100 µg |
| **Buffer** | In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide) |

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| | |
|---|---|
| **Preservative** | 0.02% Sodium Azide |
| **Storage** | Store at -20°C.Aliquot to avoid repeated freezing and thawing. |

# GENE INFORMATION

| | |
|---|---|
| **Gene Name** | PCSK9 proprotein convertase subtilisin/kexin type 9 [ Homo sapiens (human) ] |
| **Official Symbol** | PCSK9 |
| **Synonyms** | PCSK9; proprotein convertase subtilisin/kexin type 9; FH3; PC9; NARC1; LDLCQ1; NARC-1; HCHOLA3; subtilisin/kexin-like protease PC9; neural apoptosis regulated convertase 1; convertase subtilisin/kexin type 9 preproprotein; |
| **Entrez Gene ID** | 255738 |
| **Protein Refseq** | NP_777596 |
| **UniProt ID** | Q8NBP7 |
| **Chromosome Location** | 1p32.3 |
| **Function** | apolipoprotein binding; apolipoprotein receptor binding; low-density lipoprotein particle binding; low-density lipoprotein particle receptor binding |

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