

Product datasheet for **AP22407PU-N**

PCSK9 (164-175) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/32000 (Detection Limit). Western blot: 0.1-0.5 µg/ml. In transfected HEK293 transiently expressing full-length Human PCSK9 (myc and DYKDDDDK tagged), a doublet of approx. 80-100kDa was observed. No bands were observed in mock-transfected HEK293 and the same bands were observed using anti-myc tag antibody.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_777596.2.
Specificity:	Recognizes Human PCSK9 (164-175). Other species not tested.
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified Ig fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	proprotein convertase subtilisin/kexin type 9
Database Link:	Entrez Gene 255738 Human Q8NBP7



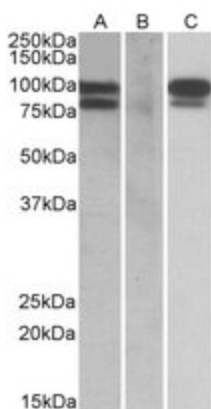
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Background:

PCSK9 is a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the endoplasmic reticulum. PCSK9 may function as a proprotein convertase. PCSK9 plays a role in cholesterol homeostasis and may have a role in the differentiation of cortical neurons. Mutations in PCSK9 gene have been associated with a third form of autosomal dominant familial hypercholesterolemia.

Synonyms:

PCSK-9, NARC1, Proprotein convertase subtilisin/kexin type 9, Proprotein convertase PC9, Subtilisin/kexin-like protease PC9, Neural apoptosis-regulated convertase 1, NARC-1

Product images:

HEK293 lysate (10 ug protein in RIPA buffer) overexpressing Human PCSK9 with C-terminal MYC tag probed with (0.5 ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.