



Anti-PCSK5 (internal region) polyclonal antibody (DPAB-DC2142)

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 initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER. It then sorts to the trans-Golgi network where a second autocatalytic event takes place and the catalytic activity is acquired. This encoded protein is widely expressed and one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. It mediates posttranslational endoproteolytic processing for several integrin alpha subunits and is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Alternative splicing results in multiple transcript variants, some of which encode distinct isoforms, including a protease packaged into dense core granules (PC5A) and a type 1 membrane bound protease (PC5B).
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human PCSK5. The sequence is PDGSYQDTKKNLCRK
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL

Size	100 µg
Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PCSK5 proprotein convertase subtilisin/kexin type 5 [Homo sapiens (human)]
Official Symbol	PCSK5
Synonyms	PCSK5; proprotein convertase subtilisin/kexin type 5; PC5; PC6; PC6A; SPC6; subtilase; protease PC6; prohormone convertase 5; proprotein convertase 6; subtilisin/kexin-like protease PC5;
Entrez Gene ID	5125
Protein Refseq	NP_001177411
UniProt ID	Q92824
Chromosome Location	9q21.3
Pathway	NGF processing; Signalling by NGF;
Function	peptidase activity; peptide binding; serine-type endopeptidase activity;