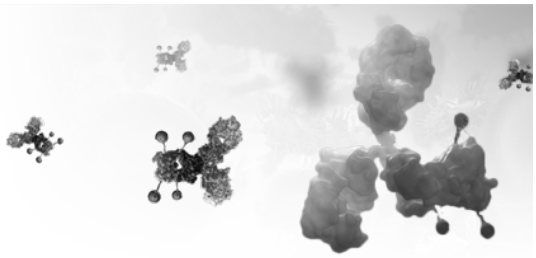

Human PCSK6 blocking peptide (CDBP2178)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PACE4 antibody
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 and sorts to the trans-Golgi network where a second autocatalytic event takes place and the catalytic activity is acquired. The encoded protease is constitutively secreted into the extracellular matrix and expressed in many tissues, including neuroendocrine, liver, gut, and brain. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. Some of its substrates include transforming growth factor beta related proteins, proalbumin, and von Willebrand factor. This gene is thought to play a role in tumor progression and left-right patterning. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Feb 2014]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

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Gene Name	PCSK6 proprotein convertase subtilisin/kexin type 6 [Homo sapiens (human)]
Official Symbol	PCSK6
Synonyms	PCSK6; proprotein convertase subtilisin/kexin type 6; SPC4; PACE4; subtilisin/kexin-like protease PACE4; subtilisin-like proprotein convertase 4; paired basic amino acid cleaving enzyme 4; paired basic amino acid cleaving system 4;
Entrez Gene ID	5046
mRNA Refseq	NM_001291309.1
Protein Refseq	NP_001278238.1
UniProt ID	P29122
Chromosome Location	15q26.3
Pathway	Developmental Biology, organism-specific biosystem; NGF processing, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NODAL, organism-specific biosystem; Signalling by NGF, organism-specific biosystem;
Function	endopeptidase activity; heparin binding; nerve growth factor binding; serine-type endopeptidase activity;

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