



Anti-PCSK6 (aa 860-969) polyclonal antibody (DPAB-DC2075)

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 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.
Immunogen	PCSK6 (NP_002561, 860 a.a. ~ 969 a.a) partial recombinant protein with GST tag. The sequence is REECIHCAKNFHFDWKCVACGEGFYPEEMPGLPHKVCRRCDENCLSCAGSSRNCSRCK TGFTQLGTSCITNHTCSNADETFCEMVKSNRLCERKLFIQFCCRTCLLAG
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rat
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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
Protein Refseq	NP_001278238
UniProt ID	A2RQD9
Chromosome Location	15q26.3
Pathway	Developmental Biology; Signal Transduction; Signalling by NGF;
Function	endopeptidase activity; heparin binding; nerve growth factor binding; serine-type endopeptidase activity
