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Datasheet for ABIN6145326
anti-PCSK5 antibody (AA 601-913)

1 Image

Overview

Quantity:	100 µL
Target:	PCSK5
Binding Specificity:	AA 601-913
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCSK5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 601-913 of human PCSK5 (NP_006191.2).
Sequence:	QPYSPTNEFP KVERFRYSRV EDPTDDYGTE DYAGPCDPEC SEVGCDGPGP DHCNDCLHYY YKLNNTTRIC VSSCPPGHYH ADKKRCKCA PNCESCFGSH GDQCMSCKYG YFLNEETNSC VTHCPDGSYQ DTKKNLCRKC SENCKTCTEF HNCTECDRLG SLQGSRCVS CEDGRYFNGQ DCQPCHRFCA TCAGAGADGC INCTEGYFME DGRVCQSCSI SYYFDHSEN GYKSCKKCDI SCLTCNGPGF KNCTSCPSGY LLDLGMCMQMG AICKDATEES WAEGGFCMLV KKNLNCQRKV LQQLCCKTCT FQG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PCSK5
Alternative Name:	PCSK5 (PCSK5 Products)
Background:	<p>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).</p> <p>PCSK5,PC5,PC6,PC6A,SPC6,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,Ubiquitin,PCSK5</p>
Molecular Weight:	101 kDa/206 kDa
Gene ID:	5125
UniProt:	Q92824
Pathways:	Neurotrophin Signaling Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

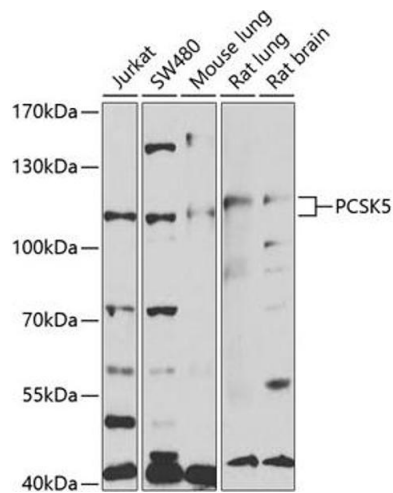
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PCSK5 antibody (ABIN6128575, ABIN6145326, ABIN6145327 and ABIN6221105) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.