antibodies -online.com







anti-PCSK5 antibody (Middle Region)



Image



Publication



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	VICVV

Quantity:	100 μL
Target:	PCSK5
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCSK5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PCSK5
Sequence:	CAGAGADGCI NCTEGYFMED GRCVQSCSIS YYFDHSSENG YKSCKKCDIS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 93%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against PCSK5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PCSK5
Alternative Name:	PCSK5 (PCSK5 Products)

Background:

PCSK5 belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. PCSK5 mediates posttranslational endoproteolytic processing for several integrin alpha subunits. It is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Two alternatively spliced transcripts are described for this gene but only one has its full length nature known. The protein encoded by this gene belongs to the subtilisin-like proprotein convertase family. The members of this family are proprotein convertases that process latent precursor proteins into their biologically active products. This encoded protein mediates posttranslational endoproteolytic processing for several integrin alpha subunits. It is thought to process prorenin, pro-membrane type-1 matrix metalloproteinase and HIV-1 glycoprotein gp160. Two alternatively spliced transcripts are described for this gene but only one has its full length nature known. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Alias Symbols: PC5, PC6, PC6A, SPC6

Protein Interaction Partner: NOTCH2NL, KRTAP10-3, KRTAP10-8, KRTAP10-7, LCE3C, KRTAP4-12, NUFIP2, GLRX3, STK16, MEOX2, KRTAP5-9, env, Hoxa1, ATN1, UBC, CACNA1A, APPBP2, AMH, REN, PTPRM, PMCH, ITGA6,

Protein Size: 913

Molecular Weight:	89 kDa
Gene ID:	5125
NCBI Accession:	NM_006200, NP_006191
UniProt:	Q92824
Pathways:	Neurotrophin Signaling Pathway, Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 913 AA	
Restrictions:	For Research Use only	

Handling

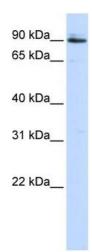
Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	

Product cited in:

Antala, Ovchinnikov, Kamisetty, Baker, Dempski: "Computation and Functional Studies Provide a Model for the Structure of the Zinc Transporter hZIP4." in: **The Journal of biological chemistry**, Vol. 290, Issue 29, pp. 17796-805, (2015) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-PCSK5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate PCSK5 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells