



## Rabbit Anti-PC5/PC6 antibody

SL19904R

<b>Product Name:</b>	PC5/PC6
<b>Chinese Name:</b>	激素原转化酶5/6抗体
<b>Alias:</b>	FLJ11149; FLJ16215; hPC6; PC5; PC6; PC6A; PCSK5; PCSK5_HUMAN; Prohormone convertase 5; Proprotein convertase 5; Proprotein convertase 6; Proprotein convertase PC5; Proprotein convertase subtilisin/kexin type 5; Protease PC6; SPC6; Subtilisin/kexin like protease PC5; Subtilisin/kexin-like protease PC5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	194,101kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PC5/PC6:361-460/1860<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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). [provided by RefSeq, May 2014]

**Function:**

Likely to represent a widespread endoprotease activity within the constitutive and regulated secretory pathway. Capable of cleavage at the RX(K/R)R consensus motif.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Expressed in T-lymphocytes.

**Similarity:**

Belongs to the peptidase S8 family.

Contains 1 homo B/P domain.

Contains 1 PLAC domain.

**SWISS:**

Q92824

**Gene ID:**

5125

**Database links:**

[Entrez Gene: 5125](#) Human

[Entrez Gene: 18552](#) Mouse

[Entrez Gene: 116548](#) Rat

[Omim: 600488](#) Human

[SwissProt: Q92824](#) Human

[SwissProt: Q04592](#) Mouse

[SwissProt: P41413](#) Rat

[Unigene: 368542](#) Human

[Unigene: 3401](#) Mouse

[Unigene: 104002](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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