

## Rabbit Anti-PCSK2/Proprotein Convertase 2/Biotin Conjugated antibody

SL11533R-Bio

<b>Product Name</b>	Anti-PCSK2/Proprotein Convertase 2/Biotin
<b>Chinese Name</b>	生物素标记的神经内分泌转化酶 2 抗体
<b>Alias</b>	KEX2 like endoprotease 2; KEX2-like endoprotease 2; NEC 2; NEC2; NEC2_HUMAN; Neuroendocrine convertase 2; PC2; PCSK2; Prohormone convertase 2; Proprotein convertase 2; Proprotein convertase subtilisin/kexin type 2; SPC2.
<b>Research Area</b>	Cell biology Neurobiology Signal transduction Growth factors and hormones
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Mouse,Rat(predicted:Human,Chicken,Dog,Cow,Sheep)
<b>Applications</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	58kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Proprotein Convertase 2 (201-300aa)
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> This gene encodes a member of the subtilisin-like proprotein convertase family. These enzymes process latent precursor proteins into their biologically

active products. The encoded protein plays a critical role in hormone biosynthesis by processing a variety of prohormones including proinsulin, proopiomelanocortin and proluteinizing-hormone-releasing hormone. Single nucleotide polymorphisms in this gene may increase susceptibility to myocardial infarction and type 2 diabetes. This gene may also play a role in tumor development and progression. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011].

**Function:**

Involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues.

**Subcellular Location:**

Cytoplasmic vesicle, secretory vesicle. Note=Localized in the secretion granules.

**Similarity:**

Belongs to the peptidase S8 family. Furin subfamily.

**Database links:**

[Entrez Gene: 5126](#) Human

[Entrez Gene: 18549](#) Mouse

[Omim: 162151](#) Human

[SwissProt: P16519](#) Human

[SwissProt: P21661](#) Mouse

[Unigene: 315186](#) Human

[Unigene: 294493](#) Mouse

[Unigene: 447466](#) Mouse

**Important Note:**

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