

Rabbit Anti-PCSK2/Proprotein Convertase 2/AP Conjugated antibody

SL11533R-AP

Product Name	Anti-PCSK2/Proprotein Convertase 2/AP
Chinese Name	碱性磷酸酶 (AP) 标记的神经内分泌转化酶 2 抗体
Alias	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.
Research Area	Cell biology Neurobiology Signal transduction Growth factors and hormones
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Chicken,Dog,Cow,Sheep)
Applications	IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	58kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Proprotein Convertase 2 (201-300aa)
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	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.
Storage	
Product Detail	background: 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.