

## Product datasheet for **TA334299**

### PC1/3 (PCSK1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PCSK1 antibody: synthetic peptide directed towards the middle region of human PCSK1. Synthetic peptide located within the following region: QSPKKSPSAKLNIPYENFYEALEKLNKPSQLKDESDSLYNDYVDVFNK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	proprotein convertase subtilisin/kexin type 1
Database Link:	<a href="#">NP_000430</a> <a href="#">Entrez Gene 5122 Human</a> <a href="#">P29120</a>



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**Background:**

PCSK1 is involved in the processing of hormone and other protein precursors at sites comprised of pairs of basic amino acid residues. Substrates include POMC, renin, enkephalin, dynorphin, somatostatin and insulin. 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 is a type I proinsulin-processing enzyme that plays a key role in regulating insulin biosynthesis. It is also known to cleave proopiomelanocortin, prorenin, proenkephalin, prodynorphin, prosomatostatin and progastrin. Mutations in this gene are thought to cause obesity. This encoded protein is associated with carcinoid tumors. The use of alternate polyadenylation sites has been found for this gene. Multiple alternatively spliced transcript variants have been described for this gene but their full length nature is not 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.

**Synonyms:**

BMIQ12; NEC1; PC1; PC3; SPC3

**Note:**

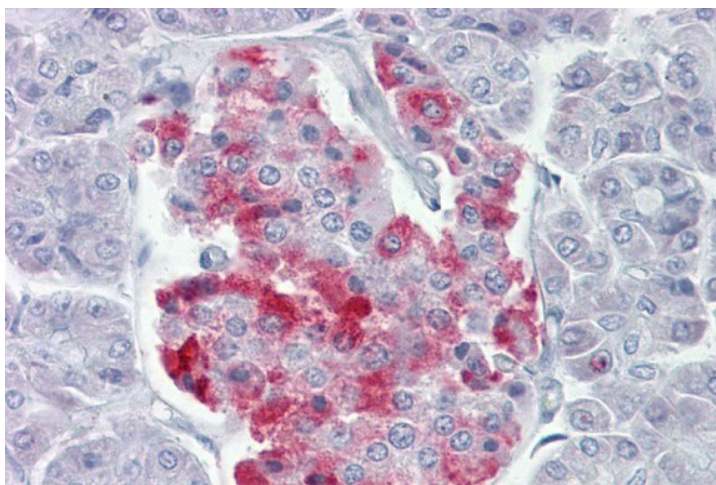
Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Guinea pig: 100%; Rat: 93%; Rabbit: 93%; Mouse: 79%

**Protein Families:**

Druggable Genome, Protease, Secreted Protein

**Product images:**

WB Suggested Anti-PCSK1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Human Small Intestine



Immunohistochemistry with Pancreas tissue at an antibody concentration of 5 ug/ml using anti-PCSK1 antibody