

Rabbit PCSK1 Polyclonal Antibody | anti-PCSK1 antibody

PCSK1 antibody - middle region

CATALOG # AAA197677	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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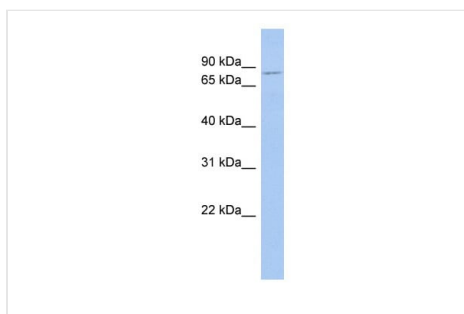
PRODUCT SYNONYMS

PCSK1; Polyclonal Antibody; PCSK1 antibody - middle region; anti-PCSK1 antibody

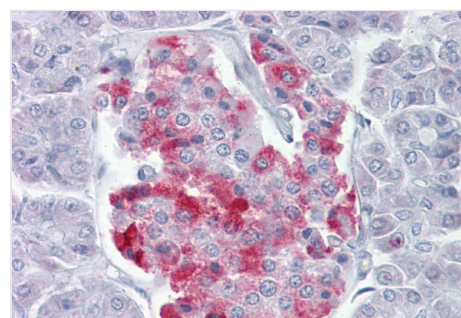
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: QSPKKSPSAKLNIPYENFYEAL EKLNKPSQLK DSEDSLYNDYVDVFYNTK
Sequence Length	753
Applicable Applications for anti-PCSK1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 79%; Rabbit: 93%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PCSK1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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


IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PCSK1 antibody	This is a rabbit polyclonal antibody against PCSK1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-PCSK1 antibody	Polyclonal; Signal Proteins; Drugs and Drug Metabolism; Neuroscience; Disease Related; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	20336242
NCBI GeneID	5122
NCBI Accession #	NP_000430
NCBI GenBank Nucleotide #	NM_000439
UniProt Accession #	P29120
Molecular Weight	71kDa
NCBI Official Full Name	neuroendocrine convertase 1 isoform 1 preproprotein
NCBI Official Synonym Full Names	proprotein convertase subtilisin/kexin type 1
NCBI Official Symbol	PCSK1
NCBI Official Synonym Symbols	PC1; PC3; NEC1; SPC3; BMIQ12
NCBI Protein Information	neuroendocrine convertase 1
UniProt Protein Name	Neuroendocrine convertase 1
UniProt Gene Name	PCSK1
UniProt Synonym Gene Names	NEC1; NEC 1; PC1
UniProt Entry Name	NEC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pcsk1-antibody-western-blot-immunohistochemistry-elisa/197677>