



Datasheet for ABIN2778153  
**anti-PCSK1 antibody (Middle Region)**



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2 Images

Overview

Quantity:	100 µL
Target:	PCSK1
Binding Specificity:	Middle Region
Reactivity:	Rat, Human, Mouse, Guinea Pig, Horse, Cow, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCSK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PCSK1
Sequence:	QSPKKSPSAK LNIPYENFYE ALEKLNKPSQ LKDSSESLYN DYVDVIFYNTK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 79%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against PCSK1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PCSK1
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## Target Details

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Alternative Name: PCSK1 ([PCSK1 Products](#))

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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.

Alias Symbols: NEC1, PC1, PC3, SPC3, BMIQ12

Protein Interaction Partner: env, AFF1, PCSK1N, REN, PMCH, IAPP, PTK2, CTNNB1,

Protein Size: 753

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Molecular Weight: 71 kDa

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Gene ID: 5122

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NCBI Accession: [NM\\_000439](#), [NP\\_000430](#)

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UniProt: [P29120](#)

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Pathways: [Peptide Hormone Metabolism](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 753 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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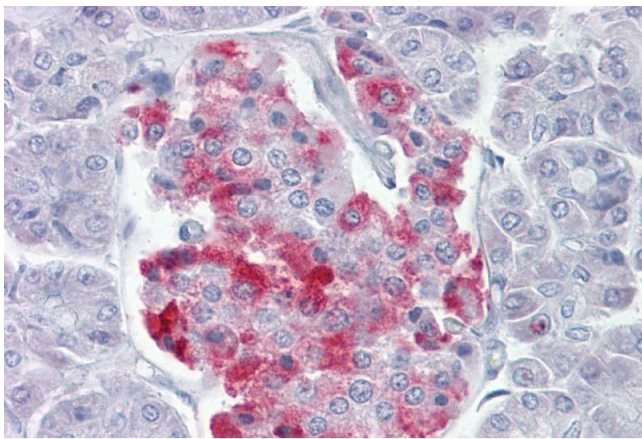
Concentration: Lot specific

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## Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry with Pancreas tissue at an antibody concentration of 5µg/ml using anti-PCSK1 antibody (ARP33848\_P050)



### Western Blotting

**Image 2.** WB Suggested Anti-PCSK1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Small Intestine