

**PCSK1 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22139b**

**Specification**

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**PCSK1 Antibody (C-Term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P29120</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	84152

**PCSK1 Antibody (C-Term) - Additional Information**

**Gene ID** 5122

**Other Names**

Neuroendocrine convertase 1, NEC 1, 3.4.21.93, Prohormone convertase 1, Proprotein convertase 1, PC1, PCSK1, NEC1

**Target/Specificity**

This PCSK1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 682-715 amino acids from human PCSK1.

**Dilution**

WB~~1:2000

FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PCSK1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PCSK1 Antibody (C-Term) - Protein Information**

**Name** PCSK1

**Synonyms** NEC1

**Function** 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, insulin and AGRP.

**Cellular Location**

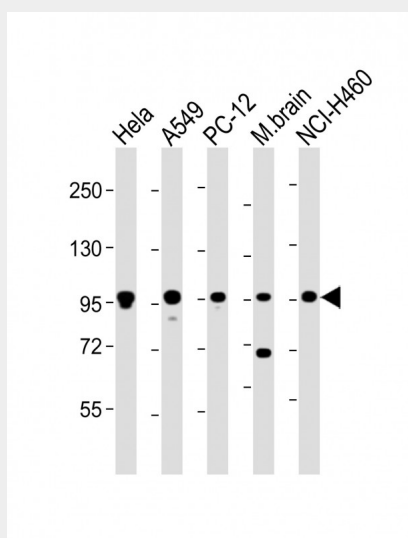
Cytoplasmic vesicle, secretory vesicle. Note=Localized in the secretion granules

**PCSK1 Antibody (C-Term) - Protocols**

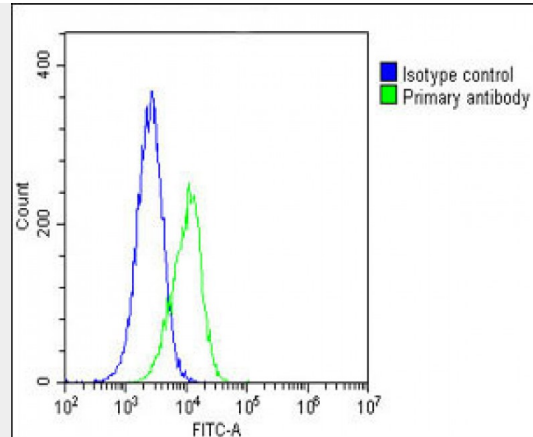
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PCSK1 Antibody (C-Term) - Images**



All lanes : Anti-PCSK1 Antibody (C-Term) at 1:2000 dilution Lane 1: HeLa whole cell lysate Lane 2: A549 whole cell lysate Lane 3: PC-12 whole cell lysate Lane 4: mouse brain lysate Lane 5: NCI-H460 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing A549 cells stained with AP22139b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22139b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

#### **PCSK1 Antibody (C-Term) - Background**

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.

#### **PCSK1 Antibody (C-Term) - References**

Creemers J.W.M., et al. FEBS Lett. 300:82-88 (1992).  
Seidah N.G., et al. DNA Cell Biol. 11:283-289 (1992).  
Ohagi S., et al. Diabetes 45:897-901 (1996).  
Ota T., et al. Nat. Genet. 36:40-45 (2004).  
Schmutz J., et al. Nature 431:268-274 (2004).