

### PCSK1 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22139b

### **Specification**

# PCSK1 Antibody (C-Term) - Product Information

Application WB, FC,E Primary Accession P29120

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

E~~Use at an assay dependent concentration.

#### **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**

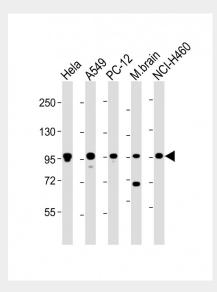
Cytoplasmic vesicle, secretory vesicle. Note=Localized in the secretion granules

# PCSK1 Antibody (C-Term) - Protocols

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

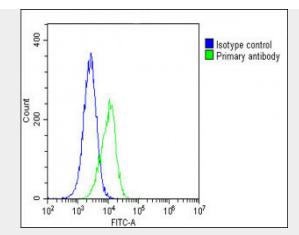
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# 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  $\mu$ g per lane. Secondary Goat Anti-Rabbit lgG, (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 icubated 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 $^{\circ}$ 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 $^{\circ}$ C. Isotype control antibody (blue line) was rabbit IgG1 (1 $\mu$ g/1x10 $^{\circ}$ 6 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).