

# PCSK1 Rabbit pAb

**Catalog No.: A12237**

## Basic Information

**Observed MW**

84kDa

**Calculated MW**

84kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IF/ICC

**Cross-Reactivity**

Mouse, Rat

## Background

This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an initial autocatalytic processing event in the ER to generate a heterodimer which exits the ER and sorts to subcellular compartments where a second autocatalytic event takes place and the catalytic activity is acquired. The protease is packaged into and activated in dense core secretory granules and expressed in the neuroendocrine system and brain. This gene encodes one of the seven basic amino acid-specific members which cleave their substrates at single or paired basic residues. It functions in the proteolytic activation of polypeptide hormones and neuropeptides precursors. Mutations in this gene have been associated with susceptibility to obesity and proprotein convertase 1/3 deficiency. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene

## Recommended Dilutions

|               |                |
|---------------|----------------|
| <b>WB</b>     | 1:500 - 1:2000 |
| <b>IF/ICC</b> | 1:50 - 1:200   |

## Immunogen Information

**Gene ID**

5122

**Swiss Prot**

P29120

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 28-170 of human PCSK1 (NP\_000430.3).

**Synonyms**

PC1; PC3; NEC1; SPC3; PC1/3; BMIQ12; PCSK1

## Contact

|  |  |
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|  | 400-999-6126   |
|  | <a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a> |
|  | <a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>             |

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

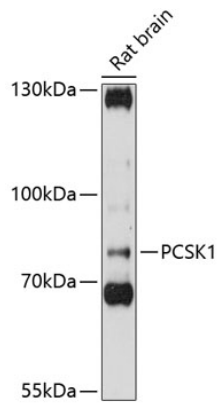
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

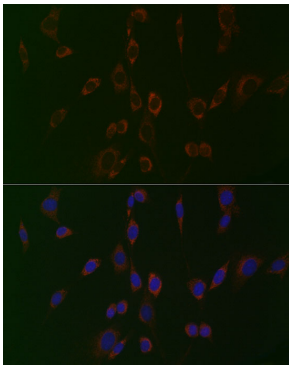
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of rat brain, using PCSK1 antibody (A12237) at 1:3000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunofluorescence analysis of NIH/3T3 cells using PCSK1 Rabbit pAb (A12237) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.