

# Proprotein Convertase 9(PCS9) Rabbit pAb

Catalog No.: A7860 7 Publications

## Basic Information

### Observed MW

80 kDa/65 kDa

### Calculated MW

74 kDa

### Category

Primary antibody

### Applications

WB, IP, IF/ICC, IHC-P, ELISA

### Cross-Reactivity

Human, 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 autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

**WB** 1:500 - 1:5000

**IP** 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

**IF/ICC** 1:50 - 1:200

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

255738

### Swiss Prot

Q8NBP7

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

FH3; PC9; FHCL3; NARC1; LDLCQ1; NARC-1; HCHOLA3; Proprotein Convertase 9(PCS9)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

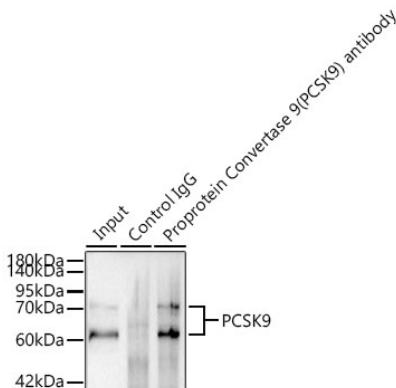
## Contact

 | 400-999-6126

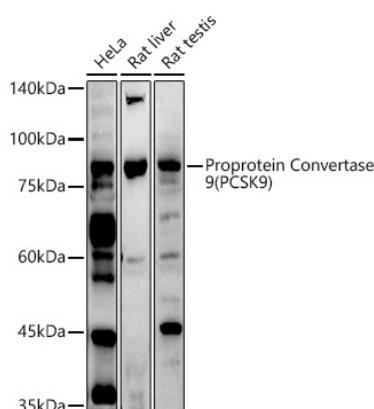
 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

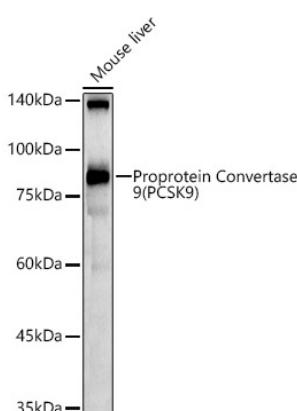
## Validation Data



Immunoprecipitation of Proprotein Convertase 9(PCS9) from 200 µg extracts of HeLa cells was performed using 0.5 µg of Proprotein Convertase 9(PCS9) Rabbit pAb (A7860). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Proprotein Convertase 9(PCS9) Rabbit pAb (A7860) at a dilution of 1:1000.

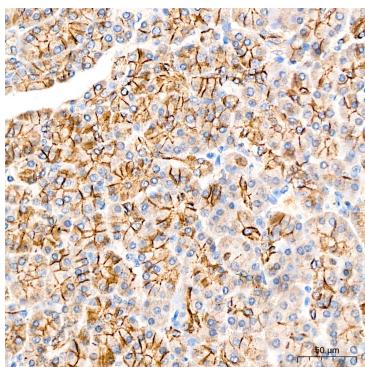


Western blot analysis of various lysates using Proprotein Convertase 9(PCS9) Rabbit pAb (A7860) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 180s.



Western blot analysis of lysates from Mouse liver, using Proprotein Convertase 9(PCS9) Rabbit pAb (A7860) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated 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 Enhanced Kit (RM00021).  
Exposure time: 30s.

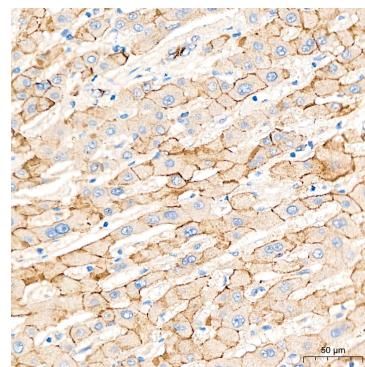
## Validation Data



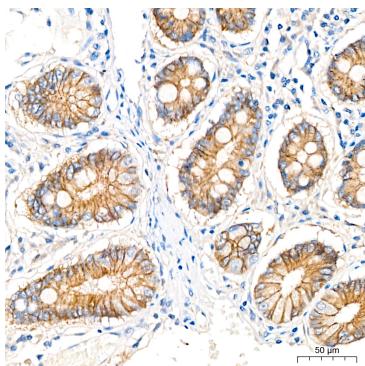
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



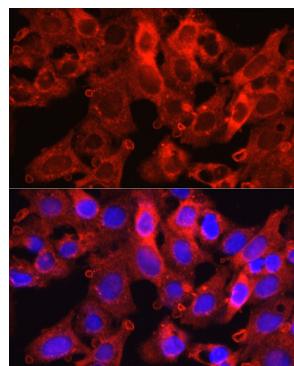
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



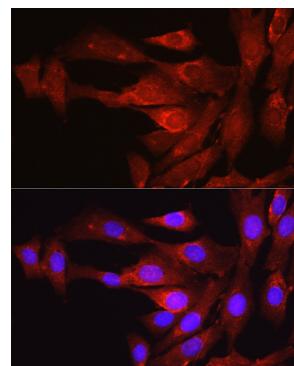
Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



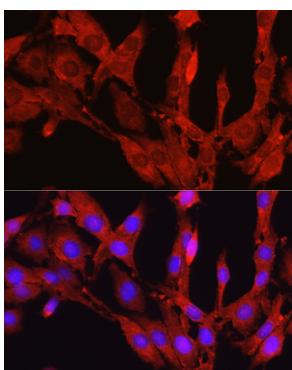
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



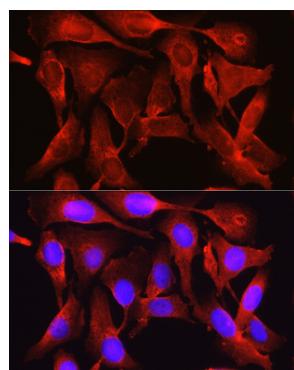
Immunofluorescence analysis of HepG2 cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Proprotein Convertase 9(PCSK9) Rabbit pAb (A7860) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.