

### Order Information

Description: Rabbit anti-PCSK9  
 Catalogue#: 601-650  
 Lot#: See the label  
 Size: 100 ug/200 ul  
 Host: Rabbit  
 Clone: N/A  
 Application: ELISA, WB, IHC  
 Reactivity: Hu, Rt, Ms, Gorilla

## Rabbit anti PCSK9 Antibody

**Alternate Names: Proprotein convertase subtilisin/kexin type 9 (PCSK9)  
 Proprotein concertase PC9, Subtilisin/Kexin-like protease PC9, FH3, NARC1**

### ANTIGEN PREPARATION

A synthetic peptide derived from 100aa-300aa of Human PCSK9 protein. This sequence is identical among human, rat, mouse, gorilla, etc.

### BACKGROUND

Proprotein convertase subtilisin/kexin type 9 (PCSK9) is a member of the serine protease family with a critical role in cholesterol metabolism by controlling the levels of low density lipoprotein (LDL) particles that circulate in the bloodstream. Mutation in the PCSK9 gene is associated with autosomal dominant hypercholesterolemia which is characterized by an increase in LDL cholesterol levels. PCSK9 is expressed in various tissues such as liver, kidney, lung, spleen, etc. Human PCSK9 precursor is 692 aa protein with 74kDa molecular weight. Its mature form has molecular weight ranging of 62-66 kDa in the tissues.

### PURIFICATION

The Rabbit IgG is purified by Epitope-Specific Affinity Purification.

### SPECIFICITY

This antibody recognizes ~74 kDa of human PCSK9 protein. It also reacts with mouse and rat. The other species are not tested.

### FORMULATION

This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer

### STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

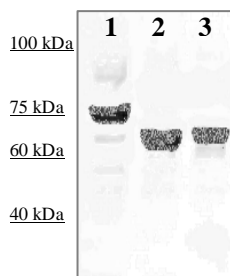
### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	Not tested
Flow cytometry	Not tested

<b>MOLECULAR WEIGHT:</b>	74 kDa or 64 kDa
<b>POSITIVE CONTROL:</b>	HT-29, or mouse liver
<b>CELLULAR LOCATION:</b>	N/A

Optimal dilutions should be determined by researchers for the specific applications.

### DATA ATTACHMENTS



**Western Blot:** The whole cell lysate sderived from HT-29 (lane 1), Mouse Liver (lane 2), mouse lung (lane 3) were immunoblotted by Rabbit anti-PCSK9 (Cat#601-650) at 1:500.

### REFERENCES

Lopez D (2008) PCSK9: an enigmatic protease. Biochim Biophys Acta. 1781 (4): 184-91.

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