



Rabbit anti PCSK9 Polyclonal Antibody

Alternative Name(s): proprotein convertase subtilisin/kexin type 9

Order Information

- **Description:** PCSK9
- **Catalogue:** 601-650
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Rt, Ms

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 Affinity Purification

FORMULATION

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

SPECIFICITY

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

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC 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: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 74.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

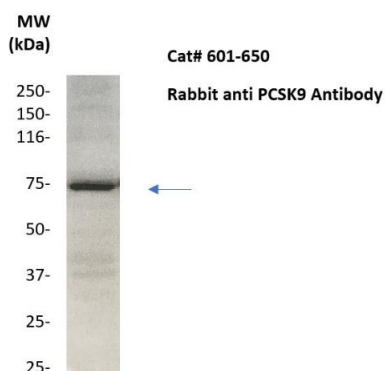
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

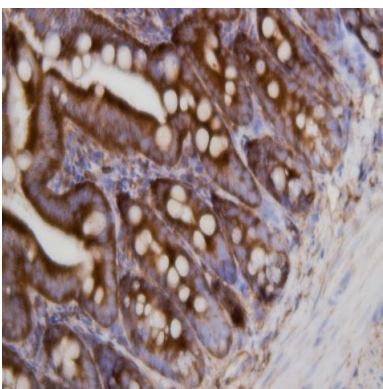
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DATA ATTACHMENTS



Western Blot: The whole lysate derived from HT29 (20 ug/lane) immunoblotted by Rabbit anti – PCSK9 (Cat# 601-650) at 1:500. Observed a major immunoreactive band at molecular weight ~74kDa.



Immunohistochemistry: Human Colon carcinoma (FFPE) stained with Rabbit anti-PCSK9 antibody (Cat# 601-650) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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