PCSK9 Antibody

ALTERNATE NAMES: PCSK9, FH3, HCHOLA3, LDLCQ1, NARC1, PC9, FH3; NARC-1; HCHOLA3; PC9; Proprotein convertase 9; Subtilisin/kexin-like protease PC9; Hypercholesterolemia, autosomal dominant 3; Neural apoptosis-regulated convertase 1;

CATALOG #: 6716-100

AMOUNT: 100 µg

HOST/ISOTYPE: Rabbit IgG

IMMUNOGEN: A synthetic peptide corresponding to a sequence at the C-terminal (671-687aa AVTAVAICCRSRHLAQA) of human PCSK9.

PURIFICATION: Immunogen affinity purified.

MOLECULAR WEIGHT: ~74.00 kDa

FORM: Lyophilized from 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na_2HPO4, 0.05 mg Thimerosal and 0.05 mg NaN_3.

RECONSTITUTION: Add 0.2 ml of distilled water to get a concentration of 500 µg/ml.

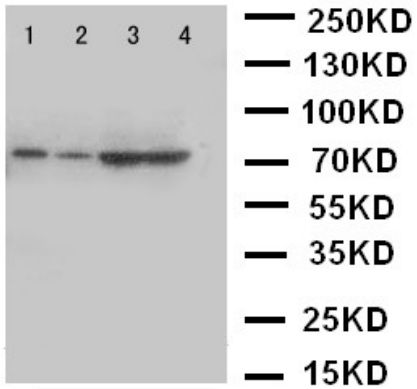
SPECIES REACTIVITY: Human. No cross reactivity with other proteins.

STORAGE CONDITIONS: Store at -20˚C for one year. After reconstitution, store at 4˚C for one month. Aliquots can also be stored frozen at -20˚C for a longer stability. Avoid repeated freeze thaw.

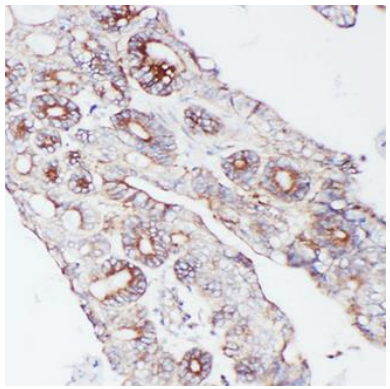
DESCRIPTION: Proprotein convertase subtilisin/kexin type 9 (PCSK9), is an enzyme which in humans is encoded by the PCSK9 gene. This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. This protein plays a major regulatory role in cholesterol homeostasis. PCSK9 binds to the epidermal growth factor-like repeat A (EGF-A) domain of the low-density lipoprotein receptor (LDLR), inducing LDLR degradation. PCSK9 may also have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a rare form of autosomal dominant familial hypercholesterolemia (HCHOLA3).

APPLICATION: Western blot: ~0.1-0.5 µg/ml, IHC-P: ~0.5 -1 µg/ml.

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis with PCSK9 Antibody (Cat # 6716-100)
Lane 1: A549 Cell Lysate
Lane 2: HeLa cell Lysate
Lane 3: U87 Cell Lysate
Lane 4: PANC Cell Lysate



IHC (P) with PCSK9 Antibody (Cat # 6716-100): Human Intestinal Cancer Tissue. Antigen retrieval was done by boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins.

RELATED PRODUCTS:

- PCSK9 Antibody **(Cat. No. 5112-100)**
- PCSK9, human recombinant **(Cat. No. 7265-10)**
- PCSK9, murine recombinant **(Cat. No. 7266-10)**
- PCSK9 (human) ELISA Kit **(Cat. No. K7265-100)**
- PCSK9 (mouse) ELISA Kit **(Cat. No. K7266-100)**

FOR RESEARCH USE ONLY! Not to be used on humans.