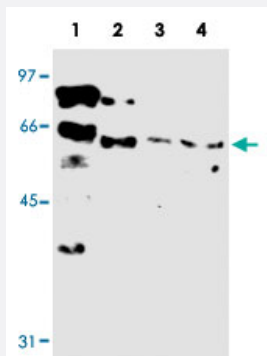


PCSK9 monoclonal antibody, clone KS-4H12

Catalog # MAB8229

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of PCSK9 monoclonal antibody, clone KS-4H12 (Cat # MAB8229).

Lane 1 : PCSK9-His expressing 293 cell

Lane 2 : A-431 cell

Lane 3 : HepG2 cell

Lane 4 : HepG2 culture supernatant

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant PCSK9.

Immunogen Recombinant His fusion protein corresponding to full length human PCSK9.

Host Mouse

Reactivity Human

Form Liquid

Isotype IgG1

Recommend Usage Western Blot (0.5-1 ug/mL)
Immunoprecipitation (1-2 ug/sample)
The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM phosphate buffer, 150 mM NaCl, pH 7.5 (50% glycerol)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PCSK9 monoclonal antibody, clone KS-4H12 (Cat # MAB8229).

Lane 1 : PCSK9-His expressing 293 cell

Lane 2 : A-431 cell

Lane 3 : HepG2 cell

Lane 4 : HepG2 culture supernatant

- Immunoprecipitation

Gene Info — PCSK9

Entrez GeneID [255738](#)

Gene Name PCSK9

Gene Alias FH3, HCHOLA3, LDLCQ1, NARC-1, NARC1

Gene Description proprotein convertase subtilisin/kexin type 9

Omim ID [603776 607786](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a proprotein convertase belonging to the proteinase K subfamily of the secretory subtilase family. The encoded protein is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the endoplasmic reticulum. The protein may function as a proprotein convertase. This protein plays a role in cholesterol homeostasis and may have a role in the differentiation of cortical neurons. Mutations in this gene have been associated with a third form of autosomal dominant familial hypercholesterolemia (HCHOLA3). [provided by RefSeq]

Other Designations OTTHUMP00000009833|convertase subtilisin/kexin type 9 preproprotein|neural apoptosis regulated convertase 1

Publication Reference

- [Binding of proprotein convertase subtilisin/kexin type 9 to epidermal growth factor-like repeat A of low density lipoprotein receptor decreases receptor recycling and increases degradation.](#)

Zhang DW, Lagace TA, Garuti R, Zhao Z, McDonald M, Horton JD, Cohen JC, Hobbs HH.

The Journal of Biological Chemistry 2007 Jun; 282(25):18602.

Application: WB-Tr, Human, Monkey, HEK 293, Simian COS-M cells

- [Secreted PCSK9 decreases the number of LDL receptors in hepatocytes and in livers of parabiotic mice.](#)

Lagace TA, Curtis DE, Garuti R, McNutt MC, Park SW, Prather HB, Anderson NN, Ho YK, Hammer RE, Horton JD.

The Journal of Clinical Investigation 2006 Nov; 116(11):2995.

Application: Cap Ab, ELISA, IP, WB, Human, Mouse, HepG2 cells, Human plasma, MEFs, Mouse primary hepatocytes

- [Effect of mutations in the PCSK9 gene on the cell surface LDL receptors.](#)

Cameron J, Holla OL, Ranheim T, Kulseth MA, Berge KE, Leren TP.

Human Molecular Genetics 2006 May; 15(9):1551.

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