

PCSK9 (5G4) Mouse mAb

CatalogNo: YM33124

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- IHC

MW

- 74kD (Observed)

Recommended Dilution Ratios

IHC1:50-200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Clone Number 5G4

Immunogen Information

Immunogen Synthesized peptide derived from human PCSK9

Specificity This antibody detects endogenous levels of PCSK9 at Human, Mouse,Rat

Target Information

Gene name PCSK9 NARC1 PSEC0052

Protein Name PCSK9

Organism	Gene ID	UniProt ID
Human	255738;	Q8NBP7;
Mouse	100102;	Q80W65;
Rat	298296;	P59996;

Cellular Localization

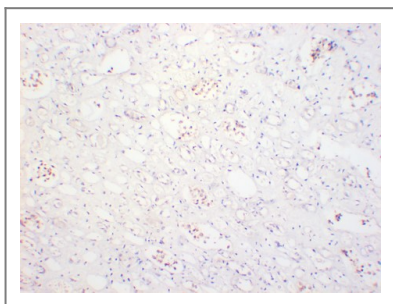
Cytoplasm. Secreted. Endosome. Lysosome. Cell surface. Endoplasmic reticulum. Golgi apparatus. Autocatalytic cleavage is required to transport it from the endoplasmic reticulum to the Golgi apparatus and for the secretion of the mature protein. Localizes to the endoplasmic reticulum in the absence of LDLR and colocalizes to the cell surface and to the endosomes/lysosomes in the presence of LDLR. The sorting to the cell surface and endosomes is required in order to fully promote LDLR degradation.

Tissue specificity Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.

Function

cofactor:Calcium.,Disease:Defects in PCSK9 are the cause of familial hypercholesterolemia 3 (FH3) [MIM:603776]. FH3 inheritance is autosomal dominant.,enzyme regulation:Inhibited by EGTA.,Function:May be implicated in the differentiation of cortical neurons and may play a role in cholesterol homeostasis.,PTM:The soluble zymogen undergoes autocatalytic intramolecular processing in the endoplasmic reticulum, resulting in the cleavage of its propeptide that remains associated with the secreted enzyme.,similarity:Belongs to the peptidase S8 family.,similarity:Contains 1 peptidase S8 domain.,subunit:The precursor protein but not the mature protein may form multimers.,tissue specificity:Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.,

Validation Data



Immunohistochemical analysis of paraffin-embedded Human Kidney Tissue using PSCK9 Mouse Monoclonal antibody diluted at 1:200.

Contact information

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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