Anti-PCSK9 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015571

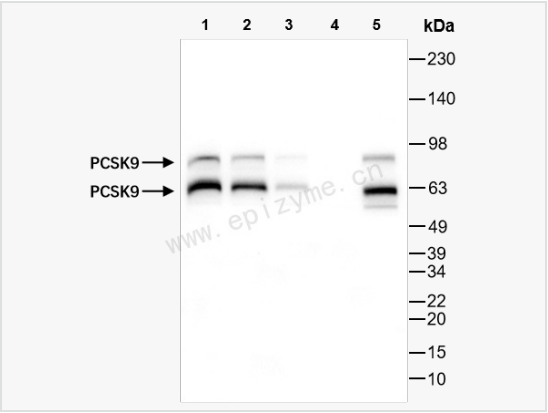
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	78M74S63
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PCSK9
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PCSK9 Rabbit mAb [78M74S63] is for research use only and not for use in diagnostic or therapeutic procedures.

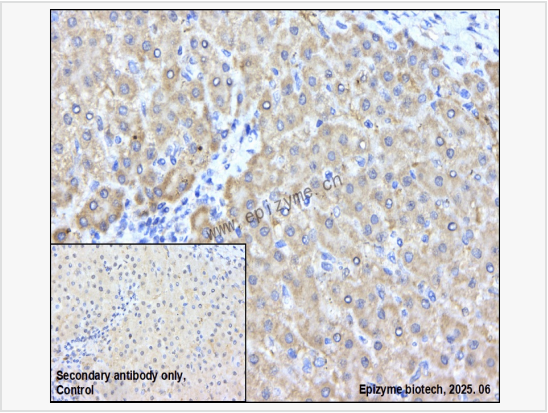
Protein Information

Synonyms	Convertase subtilisin/kexin type 9 preproprotein; FH3; HCHOLA3; Hypercholesterolemia autosomal dominant 3; LDLCQ1; NARC 1; NARC-1; NARC1; Neural apoptosis regulated convertase 1; Neural apoptosis-regulated convertase 1; PC 9; PC9; PCSK 9; PCSK9; PCSK9_HUMAN; Proprotein convertase 9; Proprotein convertase PC9; Proprotein convertase subtilisin/kexin type 9; PSEC0052; Subtilisin/kexin like protease PC9; Subtilisin/kexin-like protease PC9.
Calculated MW	Calculated MW: 74 kDa; Observed MW: 62,78 kDa
Uniprot ID	Q8NBP7
Gene ID	255738
Background	This gene encodes a member of the subtilisin-like proprotein convertase family, which includes proteases that process protein and peptide precursors trafficking through regulated or constitutive branches of the secretory pathway. The encoded protein undergoes an autocatalytic processing event with its prosegment in the ER and is constitutively secreted as an inactive protease into the extracellular matrix and trans-Golgi network. It is expressed in liver, intestine and kidney tissues and escorts specific receptors for lysosomal degradation. It plays a role in cholesterol and fatty acid metabolism. Mutations in this gene have been associated with autosomal dominant familial hypercholesterolemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Cellular Location	Secreted.
Tissue Location	Expressed in neuro-epithelioma, colon carcinoma, hepatic and pancreatic cell lines, and in Schwann cells.

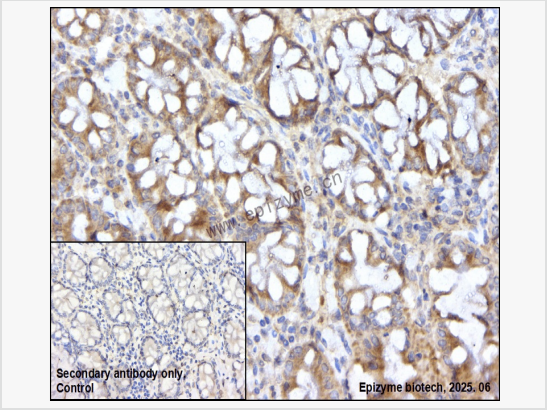
Validation Images



Western Blot - Anti-PCSK9 Rabbit mAb [78M74S63]
All lanes: R015571 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: 293T (Human embryonic kidney cell) whole cell lysates
Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 74 kDa
Observed band size: 62,78 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-PCSK9 Rabbit mAb [78M74S63]
Sample: Paraformaldehyde-fixed, paraffin embedded human hepatoma tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015571 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-PCSK9 Rabbit mAb [78M74S63]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015571 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.