

For Research Use Only

PCSK9 Recombinant antibody

Catalog Number: 83004-4-RR



Basic Information

Catalog Number:

83004-4-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0640

GenBank Accession Number:

NM_153565.2

GeneID (NCBI):

100102

UNIPROT ID:

Q80W65

Full Name:

proprotein convertase
subtilisin/kexin type 9

Calculated MW:

75KD

Purification Method:

Protein A purification

CloneNo.:

230536E4

Recommended Dilutions:

IF-P 1:200-1:800

IF/ICC 1:50-1:500

Applications

Tested Applications:

IF/ICC, IF-P, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

IF-P : mouse liver tissue,

IF/ICC : HepG2 cells,

Background Information

PCSK9 (Proprotein convertase subtilisin/kexin type 9) is the ninth member of the proprotein convertase family that regulates lipoprotein homeostasis and altered PCSK9 expression was reportedly associated with tumor development and progression. PCSK9 is primarily synthesized and expressed in the liver but also in many other tissues, such as the intestinal tract, kidney, brain, heart, and blood vessels (PMID: 36242053).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

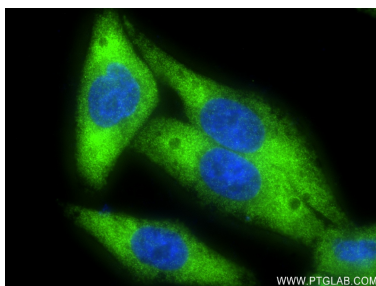
T: 4006900926

E: Proteintech-CN@ptglab.com

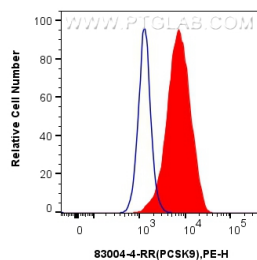
W: ptgcn.com

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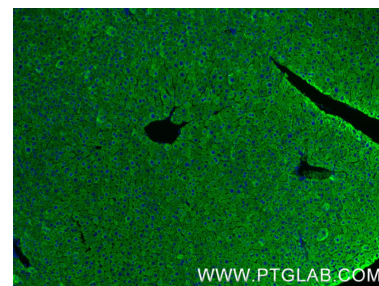
Selected Validation Data



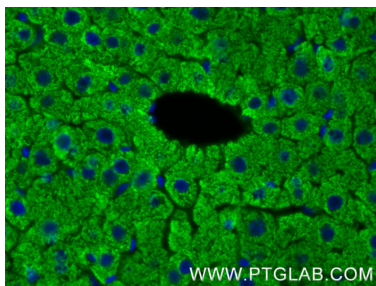
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:150 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



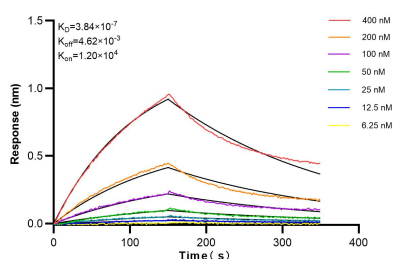
1x10⁶ HeLa cells were intracellularly stained with 0.25 µg PCSK9 Recombinant antibody (83004-4-RR, Clone: 230536E4) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 µg Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83004-4-RR against Mouse PCSK9 were performed. The affinity constant is 384 nM.