

For Research Use Only

# PCSK9 Recombinant antibody

Catalog Number:83004-4-RR



## Basic Information

<b>Catalog Number:</b> 83004-4-RR	<b>GenBank Accession Number:</b> NM_153565.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 800 ug/ml	<b>GeneID (NCBI):</b> 100102	<b>CloneNo.:</b> 230536E4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q80W65	<b>Recommended Dilutions:</b> IF-P 1:200-1:800 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> proprotein convertase subtilisin/kexin type 9	
	<b>Calculated MW:</b> 75KD	

## Applications

<b>Tested Applications:</b> IF/ICC, IF-P, FC (Intra), ELISA	<b>Positive Controls:</b> IF-P : mouse liver tissue, IF/ICC : HepG2 cells,
<b>Species Specificity:</b> mouse	

## 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 pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

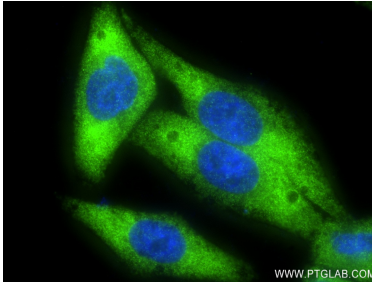
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

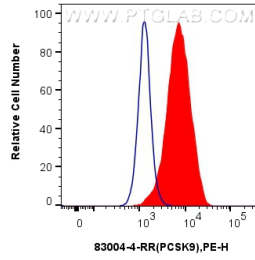
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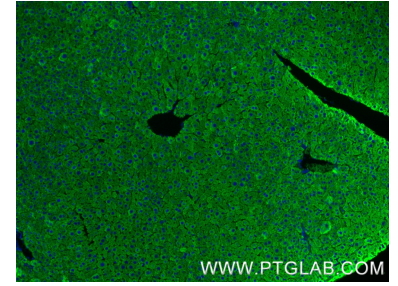
## Selected Validation Data



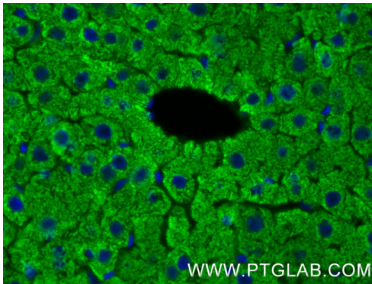
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PCSK9 antibody (83004-4-RR, Clone: 230536E4) at dilution of 1:150 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



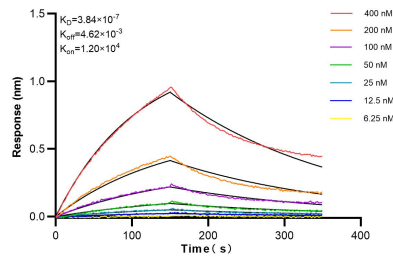
1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 µg PCSK9 Recombinant antibody (83004-4-RR, Clone:230536E4) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 µg Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (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.