

## SCP2 Antibody (Center)

Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)  
 Catalog # AP8639C-400 □

### Specification

#### SCP2 Antibody (Center) - Product info

Application	IHC-P, FC, WB
Primary Accession	<a href="#">P22307</a>
Other Accession	<a href="#">P11915</a> , <a href="#">O62742</a> , <a href="#">P32020</a> , <a href="#">P07857</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Mouse, Rabbit, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Names	RB22648
Calculated MW	58994

#### SCP2 Antibody (Center) - Additional info

Gene ID 6342

#### Other Names

Non-specific lipid-transfer protein, NSL-TP, Propanoyl-CoA  
 C-acyltransferase, SCP-chi, SCPX, Sterol carrier protein 2, SCP-2,  
 Sterol carrier protein X, SCP-X, SCP2

#### Target/Specificity

This SCP2 antibody is generated from rabbits immunized with a  
 KLH conjugated synthetic peptide between 358-385 amino  
 acids from the Central region of human SCP2.

#### Dilution

WB~~1:500-2000  
 IHC-P~~1:10~50  
 FC~~1:10~50

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V)  
 sodium azide. This antibody is purified through a protein A  
 column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term  
 storage store at -20°C in small aliquots to prevent freeze-thaw  
 cycles.

#### Precautions

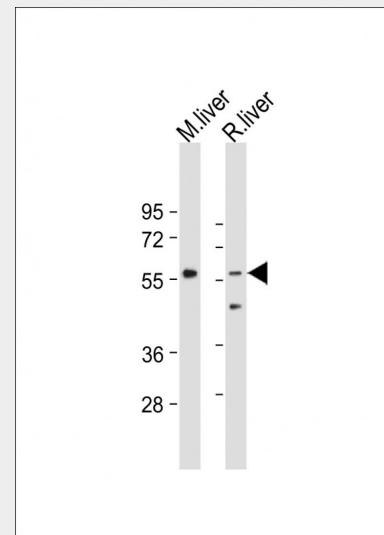
SCP2 Antibody (Center) is for research use only and not for use  
 in diagnostic or therapeutic procedures.

#### SCP2 Antibody (Center) - Protein Information

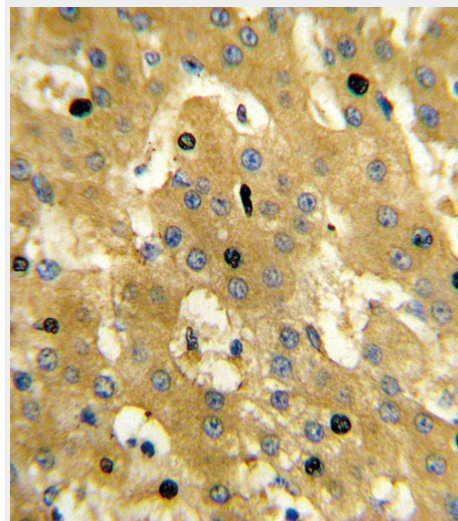
Name SCP2

#### Function

Mediates in vitro the transfer of all common phospholipids,



All lanes : Anti-SCP2 Antibody (Center)  
 at 1:500-2000 dilution Lane 1: Mouse  
 liver tissue lysate Lane 2: Rat liver tissue  
 lysate Lysates/proteins at 20 µg per lane.  
 Secondary Goat Anti-Rabbit IgG, (H+L),  
 Peroxidase conjugated at 1/10000  
 dilution. Predicted band size : 59 kDa  
 Blocking/Dilution buffer: 5% NFDm/TBST.



Formalin-fixed and paraffin-embedded  
 human hepatocarcinoma reacted with  
 SCP2 Antibody (Center), which was  
 peroxidase-conjugated to the secondary  
 antibody, followed by DAB staining. This  
 data demonstrates the use of this  
 antibody for immunohistochemistry;  
 clinical relevance has not been evaluated.

cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.

#### Cellular Location

Cytoplasm. Mitochondrion. Note=Cytoplasmic in the liver and also associated with mitochondria especially in steroidogenic tissues Isoform SCP2: Mitochondrion.

#### Tissue Location

Liver, fibroblasts, and placenta.

### SCP2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

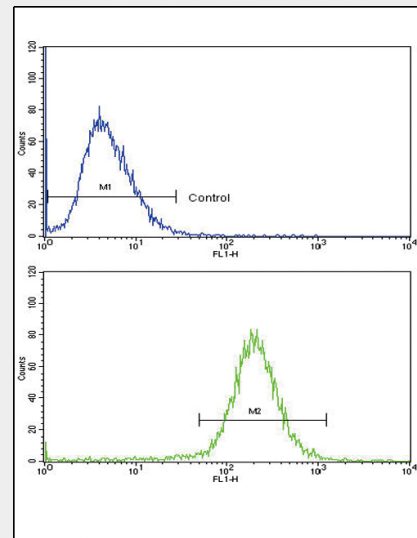
- [□Western Blot](#)
- [□Blocking Peptides](#)
- [□Dot Blot](#)
- [□Immunohistochemistry](#)
- [□Immunofluorescence](#)
- [□Immunoprecipitation](#)
- [□Flow Cytometry](#)
- [□Cell Culture](#)

### SCP2 Antibody (Center) - Background

SCP2 mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. It may play a role in regulating steroidogenesis.

### SCP2 Antibody (Center) - References

Wu, Y.B. et al. J Biol Chem. 2009 January 2; 284(1): 640-48.  
Baker, M.E., et al., DNA Cell Biol. 10 (9), 695-698 (1991) Vila, A., et al., Biochemistry 43 (39), 12592-12605 (2004)



Flow cytometric analysis of HepG2 cells using SCP2 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.