

**SCP2 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5423**

**Specification**

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**SCP2 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P22307</a>
Other Accession	<a href="#">O62742</a> , <a href="#">P32020</a> , <a href="#">P07857</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=59,15,50,54,56;M=59,15;R=59,15 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**SCP2 Antibody (C-term) - Additional Information**

**Gene ID** 6342

**Antigen Region**  
481-515

**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

**Dilution**

WB~~1:1000

**Target/Specificity**

This SCP2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 481-515 amino acids from the C-terminal region of human SCP2.

**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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SCP2 Antibody (C-term) - Protein Information**

**Name** SCP2 ([HGNC:10606](#))

### Function

[Isoform SCPx]: Plays a crucial role in the peroxisomal oxidation of branched-chain fatty acids (PubMed:<a href="http://www.uniprot.org/citations/10706581" target="\_blank">10706581</a>). Catalyzes the last step of the peroxisomal beta-oxidation of branched chain fatty acids and the side chain of the bile acid intermediates di- and trihydroxycoprostanic acids (DHCA and THCA) (PubMed:<a href="http://www.uniprot.org/citations/10706581" target="\_blank">10706581</a>). Also active with medium and long straight chain 3-oxoacyl-CoAs. Stimulates the microsomal conversion of 7-dehydrocholesterol to cholesterol and transfers phosphatidylcholine and 7-dehydrocholesterol between membranes, in vitro (By similarity). Isoforms SCP2 and SCPx cooperate in peroxisomal oxidation of certain naturally occurring tetramethyl- branched fatty acyl-CoAs (By similarity).

### Cellular Location

[Isoform SCP2]: Peroxisome {ECO:0000250|UniProtKB:P32020}. Cytoplasm. Mitochondrion. Endoplasmic reticulum {ECO:0000250|UniProtKB:P32020}. Mitochondrion {ECO:0000250|UniProtKB:P32020}

### Tissue Location

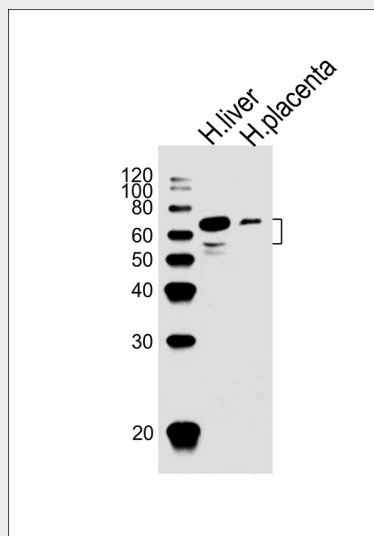
Liver, fibroblasts, and placenta.

## SCP2 Antibody (C-term) - 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 (C-term) - Images



All lanes : Anti-SCP2 Antibody (C-term) at 1:1000 dilution Lane 1: human liver lysates Lane 2: human placenta lysates 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.

### **SCP2 Antibody (C-term) - Background**

Mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.

### **SCP2 Antibody (C-term) - References**

- Ohba T., et al. Genomics 24:370-374(1994).
- He Z., et al. DNA Cell Biol. 10:559-569(1991).
- Yamamoto R., et al. Proc. Natl. Acad. Sci. U.S.A. 88:463-467(1991).
- Yamamoto R., et al. Hokkaido Igaku Zasshi 67:839-848(1992).
- Ota T., et al. Nat. Genet. 36:40-45(2004).