

**Sterol carrier protein 2 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF2764a

### Specification

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#### Sterol carrier protein 2 Antibody (internal region) - Product Information

Application	IHC
Primary Accession	<a href="#">P22307</a>
Other Accession	<a href="#">NP_001007099.1</a> , <a href="#">NP_002970.2</a> , <a href="#">NP_001180528.1</a> , <a href="#">NP_001180529.1</a> , <a href="#">NP_001180546.1</a> , <a href="#">6342</a> , <a href="#">20280 (mouse)</a> , <a href="#">25541 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	58994

#### Sterol carrier protein 2 Antibody (internal region) - Additional Information

Gene ID [6342](#)

#### Other Names

Non-specific lipid-transfer protein, NSL-TP, 2.3.1.176, Propanoyl-CoA C-acyltransferase, SCP-chi, SCPX, Sterol carrier protein 2, SCP-2, Sterol carrier protein X, SCP-X, SCP2

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Sterol carrier protein 2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

#### Sterol carrier protein 2 Antibody (internal region) - 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

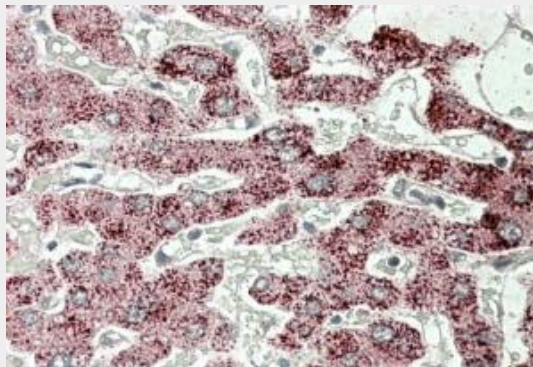
Liver, fibroblasts, and placenta.

### Sterol carrier protein 2 Antibody (internal region) - 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](#)

### Sterol carrier protein 2 Antibody (internal region) - Images



AF2764a (3.8 µg/ml) staining of paraffin embedded Human Liver-. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### Sterol carrier protein 2 Antibody (internal region) - Background

This antibody is expected to recognize isoform 1, 2, 6, 7 and 8 (NP\_002970.2; NP\_001007099.1; NP\_001180529.1; NP\_001180528.1; NP\_001180546.1 respectively),

### Sterol carrier protein 2 Antibody (internal region) - References

Sterol carrier protein-2 selectively alters lipid composition and cholesterol dynamics of caveolae/lipid raft vs nonraft domains in L-cell fibroblast plasma membranes. Atshaves BP, Gallegos

AM, McIntosh AL, Kier AB, Schroeder F. Biochemistry. 2003 Dec 16;42(49):14583-98. PMID: 14661971