

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

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

Application	IHC, E
Primary Accession	P22307
Other Accession	NP_001007099.1 , NP_002970.2 , NP_001180528.1 , NP_001180529.1 , NP_001180546.1 , 6342 , 20280 (mouse) , 25541 (rat)
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

Dilution

IHC~~1:100~500

E~~N/A

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:10706581). 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:10706581). 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}

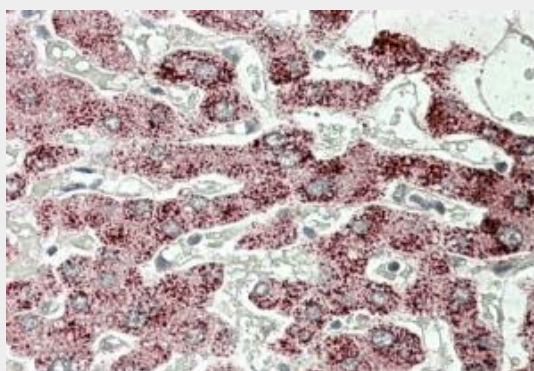
Tissue Location

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