10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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**
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

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 membrances, 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}

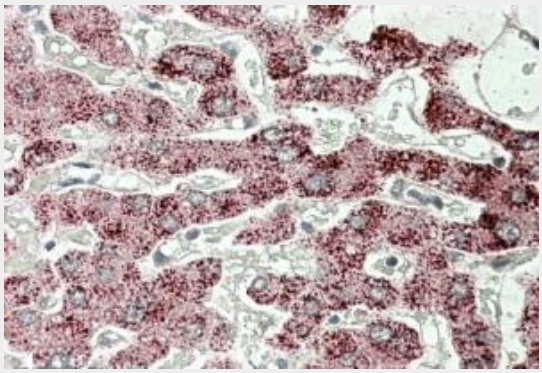
Tissue Location
Liver, fibroblasts, and placenta.

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 Cytomety
- 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