

SCP2 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21053c

Specification

SCP2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P22307
Other Accession	O62742 , P32020 , P07857
Reactivity	Human
Predicted	Bovine, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

SCP2 Antibody (C-term) - Additional Information

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

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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:[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

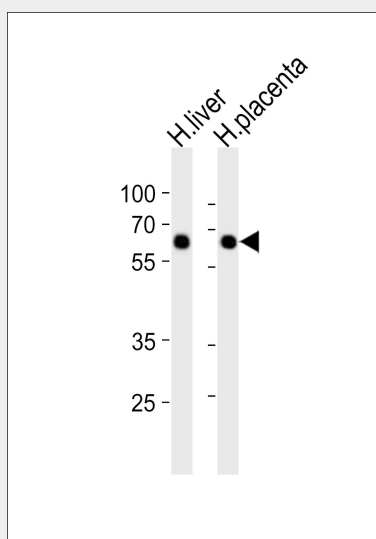
Liver, fibroblasts, and placenta.

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



Western blot analysis of lysates from human liver, human placenta tissue lysate (from left to right), using SCP2 Antibody (C-term) (Cat. #AP21053c). AP21053c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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).