

SCP2 / SCPX Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS14954**Specification****SCP2 / SCPX Antibody (Internal) - Product Information**

Application	IHC-P, E
Primary Accession	P22307
Reactivity	Human, Rat, Rabbit, Hamster, Monkey, Horse, Bovine, Drosophila
Host	Goat
Clonality	Polyclonal
Calculated MW	59kDa KDa
Dilution	IHC-P~~N/A E~~N/A

SCP2 / SCPX Antibody (Internal) - 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

Target/Specificity

Human SCP2. 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),

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

SCP2 / SCPX Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SCP2 / SCPX Antibody (Internal) - 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}

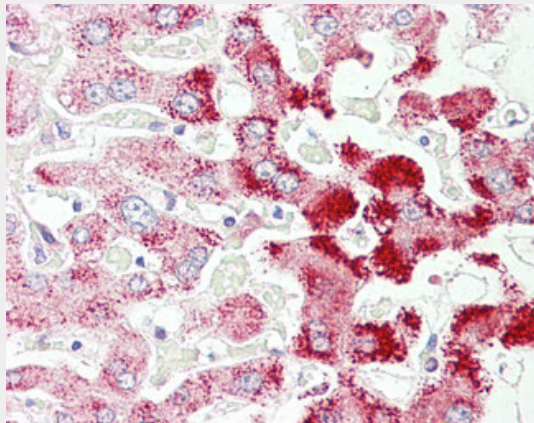
Tissue Location

Liver, fibroblasts, and placenta.

SCP2 / SCPX Antibody (Internal) - 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 / SCPX Antibody (Internal) - Images

Anti-SCP2 antibody IHC of human liver.

SCP2 / SCPX Antibody (Internal) - Background

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

SCP2 / SCPX Antibody (Internal) - 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).