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SCP2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8639c

Specification

SCP2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P22307

SCP2 Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP8639c was selected from the Center region of human SCP2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SCP2 Antibody (Center) Blocking Peptide - 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.

SCP2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SCP2 Antibody (Center) Blocking Peptide - Images

SCP2 Antibody (Center) Blocking Peptide - Background

SCP2 mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. It may play a role in regulating steroidogenesis.

SCP2 Antibody (Center) Blocking Peptide - References

Baker,M.E., et.al., DNA Cell Biol. 10 (9), 695-698 (1991)Vila,A., et.al., Biochemistry 43 (39), 12592-12605 (2004)