

SCP2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5423

Product Information

Application	WB
Primary Accession	<u>P22307</u>
Other Accession	<u>062742, P32020, P07857</u>
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58994
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	6342
Antigen Region	481-515
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
Dilution	WB~~1:1000
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.
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.

Protein Information

Name

SCP2 (HGNC:10606)

Function	[Isoform SCPx]: Plays a crucial role in the peroxisomal oxidation of branched-chain fatty acids (PubMed: <u>10706581</u>). 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: <u>10706581</u>). 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.

Background

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

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).

Images



All lanes : Anti-SCP2 Antibody (C-term) at 1:1000 dilution Lane 1: human liver lysates Lane 2: human placenta lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 59 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.