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SCP2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5423

Product Information

Application	WB
Primary Accession	P22307
Other Accession	O62742, P32020, P07857
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: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.

Background

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

References

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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).
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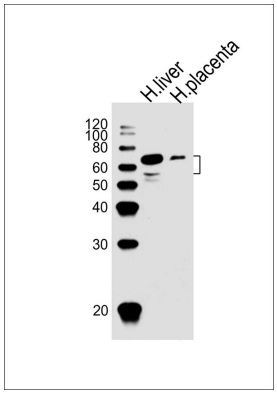
Ota T.,et al.Nat. Genet. 36:40-45(2004).

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.