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SCP2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21053c

Product Information

Application	WB, E
Primary Accession	P22307
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49282
Calculated MW	58994

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.

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.

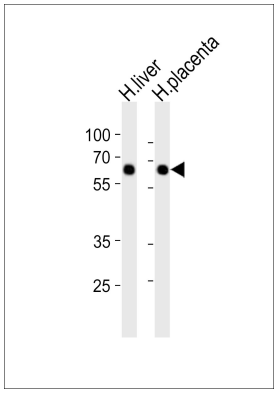
Background

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

References

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



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.