Datasheet for ABIN954693

anti-SCP2 antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	SCP2
Binding Specificity:	AA 13-43, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SCP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 13-43 amino acids from the N-terminal region of Human SCP2 Genename: SCP2
Isotype:	Ig Fraction
Specificity:	Recognizes SCP2 (N-term).
Purification:	Protein A column followed by peptide Affinity purification

Target Details

Target:	SCP2
Alternative Name:	SCP2 / SCPX (SCP2 Products)

Target Details

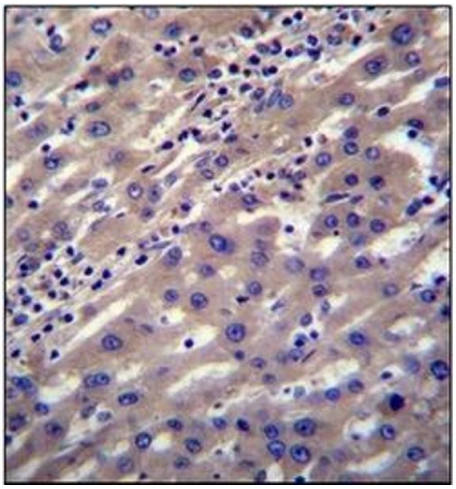
Background:	This gene encodes two proteins: sterol carrier protein X (SCPx) and sterol carrier protein 2 (SCP2), as a result of transcription initiation from 2 independently regulated promoters. The transcript initiated from the proximal promoter encodes the longer SCPx protein, and the transcript initiated from the distal promoter encodes the shorter SCP2 protein, with the 2 proteins sharing a common C-terminus. Evidence suggests that the SCPx protein is a peroxisome-associated thiolase that is involved in the oxidation of branched chain fatty acids, while the SCP2 protein is thought to be an intracellular lipid transfer protein. This gene is highly expressed in organs involved in lipid metabolism, and may play a role in Zellweger syndrome, in which cells are deficient in peroxisomes and have impaired bile acid synthesis. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms.Synonyms: NSL-TP, Non-specific lipid-transfer protein, Propanoyl-CoA C-acyltransferase, SCP-2, SCP-X, SCP-chi, Sterol carrier protein 2, Sterol carrier protein X
Gene ID:	6342
NCBI Accession:	NP_001007100
Pathways:	C21-Steroid Hormone Metabolic Process, Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

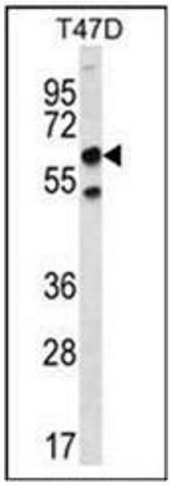
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in Formalin Fixed, Paraffin Embedded Human liver tissue stained with SCP2 Antibody (N-term) followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SCP2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of SCP2 Antibody (N-term) Cat.-No AP53816PU-N in T47D cell line lysates (35ug/lane). This demonstrates the SCP2 antibody detected the SCP2 protein (arrow).

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