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Product datasheet for AP53816PU-N

Sterol carrier protein 2 (SCP2) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/500. Immunohistochemistry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 13-43 amino acids from the N-terminal region of Human SCP2
Specificity:	Recognizes SCP2 (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide Affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sterol carrier protein 2
Database Link:	Entrez Gene 6342 Human P22307

View online »

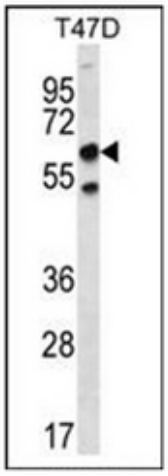
Background: This gene encodes two proteins: sterol carrier protein X (SCPx) and sterol carrier protein 2 (SCP2), as a result of transcription initiation from 2 independently regulated promoters. The transcript initiated from the proximal promoter encodes the longer SCPx protein, and the transcript initiated 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: SCP-2, SCP-X, SCP-chi, Sterol carrier protein 2, Sterol carrier protein X, NSL-TP

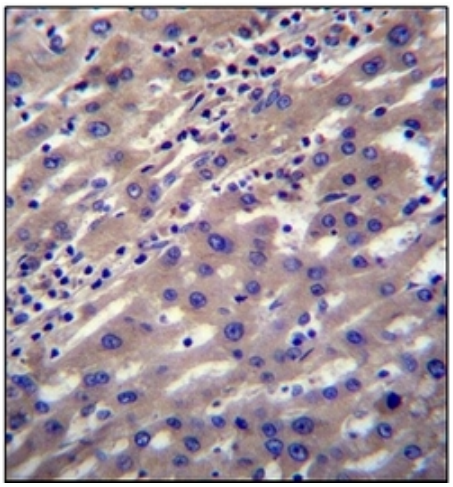
Note: **Molecular Weight:** 58994 Da

Protein Pathways: Metabolic pathways, PPAR signaling pathway, Primary bile acid biosynthesis

Product images:



Western blot analysis of SCP2 Antibody (N-term) in T47D cell line lysates (35ug/lane). This demonstrates the SCP2 antibody detected the SCP2 protein (arrow).



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.