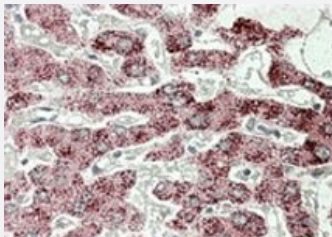


SCP2 polyclonal antibody

Catalog # PAB11588 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

SCP2 polyclonal antibody (Cat # PAB11588) (3.8 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SCP2.
Immunogen	A synthetic peptide corresponding to internal region of human SCP2.
Sequence	C-KNHKHSVNNPYSQ
Host	Goat
Theoretical MW (kDa)	59.0, 6.7
Reactivity	Human
Specificity	This antibody is expected to recognize isoform 1, 2, 6, 7 and 8 (NP_002970.2; NP_001007099.1; NP_001180529.1; NP_001180528.1; NP_001180546.1 respectively).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Recommend Usage	ELISA (1:32000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (3-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
SCP2 polyclonal antibody (Cat # PAB11588) (3.8 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.
- Enzyme-linked Immunoabsorbent Assay

Gene Info — SCP2

Entrez GeneID	6342
Protein Accession#	NP_001007099.1;NP_001007100.1;NP_001007101.1;NP_001007251.1;NP_002970.2
Gene Name	SCP2
Gene Alias	DKFZp686C12188, DKFZp686D11188, NLTP, NSL-TP, SCPX
Gene Description	sterol carrier protein 2
Omim ID	184755
Gene Ontology	Hyperlink

Gene Summary

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. The full-length nature of all transcript variants has not been determined. [provided by RefSeq]

Other Designations

OTTHUMP00000010488|nonspecific lipid-transfer protein|sterol carrier protein X

Publication Reference

- [Sterol carrier protein-2 selectively alters lipid composition and cholesterol dynamics of caveolae/lipid raft vs nonraft domains in L-cell fibroblast plasma membranes.](#)

Atshaves BP, Gallegos AM, McIntosh AL, Kier AB, Schroeder F.

Biochemistry 2003 Dec; 42(49):14583.

Pathway

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Narcolepsy](#)
- [Social Perception](#)