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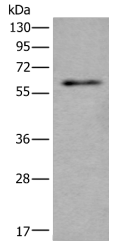
SCP2 Polyclonal Antibody

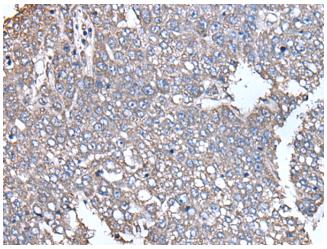
Catalog No.	E-AB-52211	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	WB,IHC,ELISA	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of Mouse testis tissue lysate using SCP2 Polyclonal Antibody at dilution of 1:350



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using SCP2 Polyclonal Antibody at dilution of 1:35(×200)

Immunogen Information

Immunogen	Fusion protein of human SCP2
Gene Accession	BC005911
Swissprot	P22307
Synonyms	SCP chi ,SCP X,SCP-2,SCP-chi,SCP-X,SCP2,SCPchi ,SCPX,Sterol carrier protein 2,Sterol carrier protein X

Product Information

Calculated MW	59 kDa
Observed MW	Refer to figures
Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	WB 1:500-1:2000, IHC 1:25-1:100, ELISA 1:5000-1:10000

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.