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Sterol carrier protein 2 Antibody
Rabbit mAb
Catalog # AP92809

Specification

Sterol carrier protein 2 Antibody - Product Information

Application	**WB, IHC, ICC**
Primary Accession	P22307
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
NLTP; SCP2; SCPchi; SCPX;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**58994 Da**

Sterol carrier protein 2 Antibody - Additional Information

Purification	**Affinity-chromatography**
Immunogen	**A synthesized peptide derived from human Sterol carrier protein 2**
Description	**Mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.**
Storage Condition and Buffer	**Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.**

Sterol carrier protein 2 Antibody - 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}

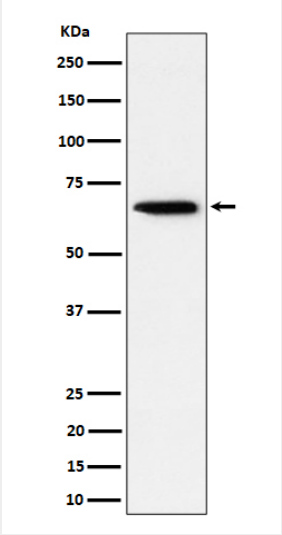
Tissue Location
Liver, fibroblasts, and placenta.

Sterol carrier protein 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Sterol carrier protein 2 Antibody - Images



Western blot analysis of Sterol carrier protein 2 expression in HepG2 cell lysate.