

Rabbit SCP2 Polyclonal Antibody | anti-SCP2 antibody

SCP2 antibody - middle region

CATALOG # AAA200614	HOST Rabbit	REACTIVITY Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish	APPLICATIONS Western Blot
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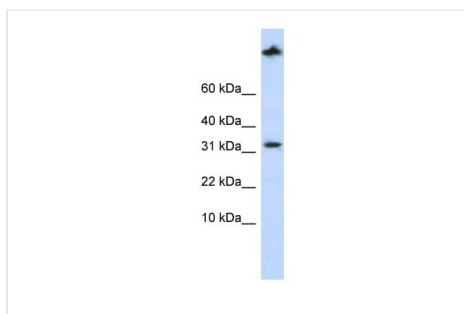
PRODUCT SYNONYMS

SCP2; Polyclonal Antibody; SCP2 antibody - middle region; anti-SCP2 antibody

PRODUCT SPECIFICATIONS

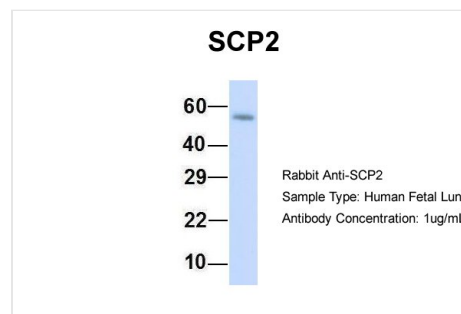
Host	Rabbit
Reactivity	Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: NH KHSVNNPYSQ FQDEYSLDEV MASKEVFDFL TILQCCPTSD GAAAAILA
Sequence Length	322
Applicable Applications for anti-SCP2 antibody	WB (Western Blot)
Homology	Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rat: 100%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SCP2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



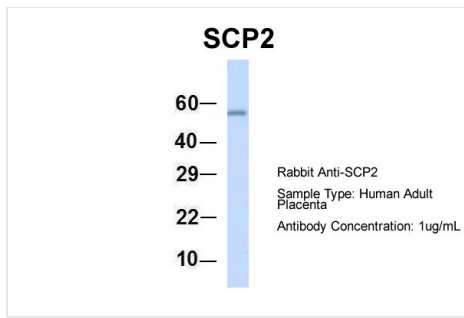
WB (Western Blot)

WB Suggested Anti-SCP2 Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:31250
 Positive Control: MCF7 cell lysate



WB (Western Blot)

Host: Rabbit
 Target Name: SCP2
 Sample Type: Human Fetal Lung
 Antibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: Rabbit Target Name: SCP2 Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-SCP2 antibody

This is a rabbit polyclonal antibody against SCP2. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: SCP2 protein is thought to be an intracellular lipid transfer protein. SCP2 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. 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.

Product Categories/Family for anti-SCP2 antibody

Polyclonal; Drugs and Drug Metabolism; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	55956775
NCBI GeneID	6342
NCBI Accession #	NP_001007099
NCBI GenBank Nucleotide #	NM_001007098
UniProt Accession #	Q6NXF4; P22307
Molecular Weight	35kDa
NCBI Official Full Name	non-specific lipid-transfer protein isoform 2
NCBI Official Synonym Full Names	sterol carrier protein 2
NCBI Official Symbol	SCP2
NCBI Official Synonym Symbols	NLTP; SCPX; SCP-2; SCP-X; NSL-TP; SCP-CHI
NCBI Protein Information	non-specific lipid-transfer protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.