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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56538_P050-Biotin
Product Page	www.avivasysbio.com/scp2-antibody-middle-region-biotin-arp56538-p050-biotin.html
Name	SCP2 Antibody - middle region : Biotin (ARP56538_P050-Biotin)
Protein Size (# AA)	322 amino acids
Molecular Weight	35kDa
Conjugation	Biotin
NCBI Gene Id	6342
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Sterol carrier protein 2
Alias Symbols	NLTP, SCOX, SCPX, SCP-2, SCP-X, NSL-TP, SCP-CHI
Peptide Sequence	Synthetic peptide located within the following region: NHKHSVNNPYSQFQDEYSLDEVMSASKEVDFDLTLQCCPTSDGAAAAILA
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Stanley, W.A., (2007) Arch. Biochem. Biophys. 461 (1), 50-58
Description of Target	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.
Protein Interactions	TRIP13; UBC; PEX5; MPLKIP; MRRF; SUGP1; MRPS28; TBL2; SRRM2; RAB31; SEPT9; TIMM44; ECI2; SCO2; AGPS; STX7; UBL4A; VDAC3; VDAC2; RRBP1; RBMS1; NDUFA7; IDH3G; HSD17B4; ACAA1; RAB8A; ELAVL1; CACNA1A; ACAA2; EHHADH; CAV1; ACOX1; PITPNA;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-SCP2 (ARP56538_P050-Biotin) antibody
Blocking Peptide	For anti-SCP2 (ARP56538_P050-Biotin) antibody is Catalog # AAP56538 (Previous Catalog # AAPP34135)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SCP2
Uniprot ID	Q6NXF4
Protein Name	Non-specific lipid-transfer protein
Protein Accession #	NP_001007099
Purification	Affinity Purified
Nucleotide Accession #	NM_001007098
Gene Symbol	SCP2

Predicted Species Reactivity	Human, Mouse, Rat, Guinea Pig, Horse, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rat: 100%; Zebrafish: 93%
Image 1	 A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines.

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This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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