

For Research Use Only

# SCP2/SCPx Polyclonal antibody

Catalog Number: 19182-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 19182-1-AP	<b>GenBank Accession Number:</b> BC067108	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6342	
<b>Source:</b> Rabbit	<b>Full Name:</b> sterol carrier protein 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 59 kDa	
<b>Immunogen Catalog Number:</b> AG6002	<b>Observed MW:</b> 46 kDa, 58 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
rat

## Background Information

SCP2 (Sterol carrier protein-2), also called nonspecific lipid-transfer protein, is thought to play a major role in intracellular lipid transport and metabolism. Mutations of SCP2 have been associated with diseases involving abnormalities in lipid trafficking, such as Zellweger syndrome. The alternative splicing generates 58 kDa SCPx and 13-15 kDa SCP2 proteins, both of which contain a C-terminal SCP2 domain. In addition to the SCP2 domain, SCPx also contains an amino-terminal thiolase domain. The proteolytic cleavage of SCPx occurred when it was imported into peroxisomes, giving rise to a 44-46 kDa thiolase and a 13-15 kDa SCP2. 19182-1-AP antibody recognizes the intact 58 kDa SCPx protein as well as 44-46 kDa thiolase.

## Notable Publications

Author	Pubmed ID	Journal	Application
Aurora Barros-Barbosa	30414318	FEBS J	WB
Ana F Dias	28765278	J Biol Chem	WB
Francisco Tania T	23963456	J Biol Chem	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data