

For Research Use Only

SCP2 Polyclonal antibody

Catalog Number: 23006-1-AP

Featured Product

6 Publications



Basic Information

| | | |
|---|---|---|
| Catalog Number: 23006-1-AP | GenBank Accession Number: BC005911 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 650 µg/ml by Nanodrop; | GeneID (NCBI): 6342 | Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB |
| Source: Rabbit | Full Name: sterol carrier protein 2 | IF 1:20-1:200 |
| Isotype: IgG | Calculated MW: 547 aa, 59 kDa | |
| Immunogen Catalog Number: AG19215 | Observed MW: 13-15 kDa | |

Applications

| | |
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| Tested Applications: FC, IF, IP, WB, ELISA | Positive Controls: |
| Cited Applications: IF, IHC, WB | WB : HEK-293T cells, HEK-293 cells, K-562 cells, NIH/3T3 cells, HepG2 cells |
| Species Specificity: human, mouse | IP : HepG2 cells, |
| Cited Species: human, rat, mouse, rabbit | IF : HepG2 cells, |

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. 23006-1-AP antibody recognizes the 13-15 kDa SCP2 protein.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|-------------|-------------|
| Michael Landowski | 36599953 | Commun Biol | WB |
| Shotaro Wani | 26920047 | J Biochem | WB |
| Nancy C Li | 26901662 | PLoS One | IF |

Storage

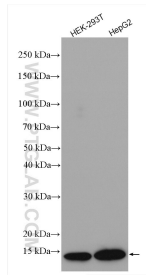
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1%BSA

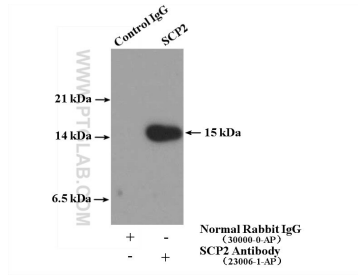
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

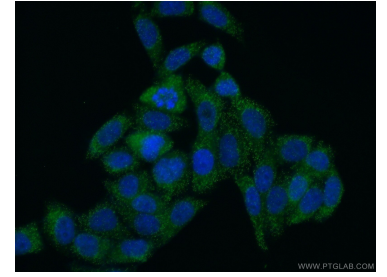
Selected Validation Data



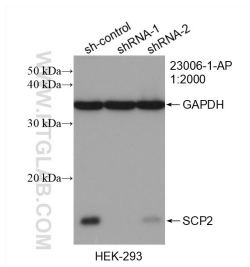
Various lysates were subjected to SDS PAGE followed by western blot with 23006-1-AP (SCP2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP Result of anti-SCP2 (IP:23006-1-AP, 4 μ g; Detection:23006-1-AP 1:500) with HepG2 cells lysate 3600 μ g.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 23006-1-AP (SCP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of SCP2 antibody (23006-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SCP2 transfected HEK-2993 cells.