

For Research Use Only

SCAP Polyclonal antibody, PBS Only

Catalog Number:12266-1-PBS



Basic Information

Catalog Number:

12266-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2937

GenBank Accession Number:

BC020987

GeneID (NCBI):

22937

UNIPROT ID:

Q12770

Full Name:

SREBF chaperone

Calculated MW:

1279 aa, 140 kDa

Observed MW:

140 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

IHC, IP, Indirect ELISA

Species Specificity:

human

Background Information

SCAP is a regulatory protein that is required for the proteolytic cleavage of the sterol regulatory element-binding protein (SREBP). SCAP is an integral membrane protein located in the endoplasmic reticulum (ER). One of the cytosolic regions of SCAP contains a hexapeptide amino acid sequence, MELADL, that functions to detect cellular cholesterol. When cholesterol is present, SCAP undergoes a conformational change that prevents it from activating SREBP and cholesterol synthesis does not occur. SCAP has 4 isoforms with MW 140, 98, 96 and 85 kDa (refer to UniProt: Q12770).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

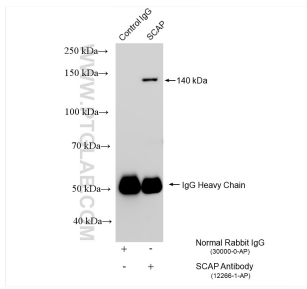
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

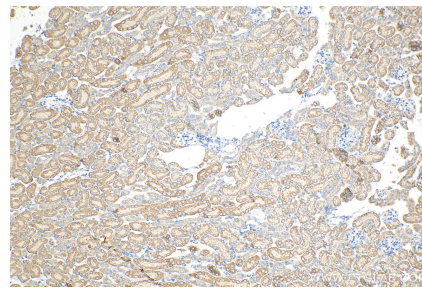
E: proteintech@ptglab.com
W: ptglab.com

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

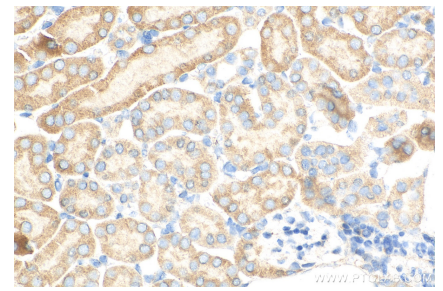
Selected Validation Data



IP result of anti-SCAP (IP:12266-1-AP, 4ug; Detection:12266-1-AP 1:600) with HEK-293 cells lysate 1610 ug. This data was developed using the same antibody clone with 12266-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 12266-1-AP (SCAP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12266-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 12266-1-AP (SCAP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 12266-1-PBS in a different storage buffer formulation.