

For Research Use Only

# SPCS2 Polyclonal antibody

Catalog Number: 14872-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

14872-1-AP

### Size:

150ul , Concentration: 600 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6640

### GenBank Accession Number:

BC064957

### GeneID (NCBI):

9789

### UNIPROT ID:

Q15005

### Full Name:

signal peptidase complex subunit 2 homolog (S. cerevisiae)

### Calculated MW:

25 kDa

### Observed MW:

25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : HeLa cells, human colon tissue, mouse stomach tissue, rat colon tissue, mouse spleen tissue, mouse colon tissue, Jurkat cells

**IP** : HeLa cells, mouse colon tissue

**IHC** : human skin cancer tissue, human stomach cancer tissue

## Background Information

Signal peptidase complex subunit 2 (SPCS2) is multi-pass membrane protein as a component of the microsomal signal peptidase complex, which function to remove signal peptides from nascent proteins before translocation into the endoplasmic reticulum lumen. This protein was evidenced as a 25 kDa protein with function not well known.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nicolas Bloemeke	36314723	EMBO J	WB
Rong Zhang	27383988	Nature	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

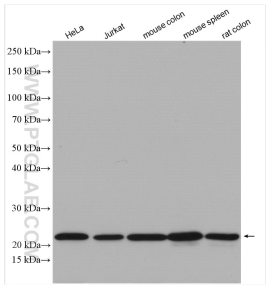
For technical support and original validation data for this product please contact:

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

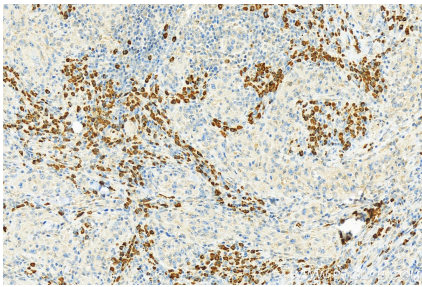
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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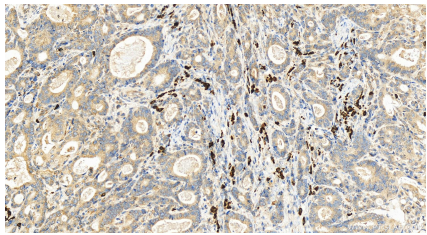
Selected Validation Data



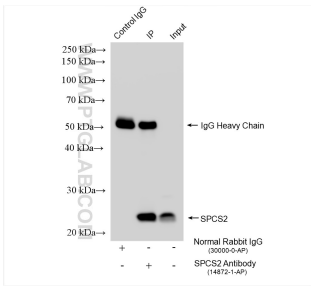
Various lysates were subjected to SDS PAGE followed by western blot with 14872-1-AP (SPCS2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



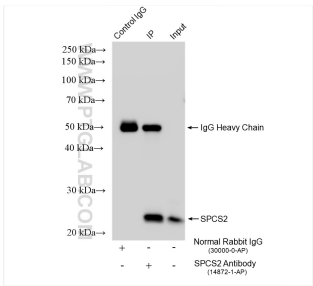
Immunohistochemical analysis of paraffin-embedded skin cancer slide using 14872-1-AP (SPCS2 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 14872-1-AP (SPCS2 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SPCS2 (IP:14872-1-AP, 4ug; Detection:14872-1-AP 1:2000) with HeLa cells lysate 1200 ug.



IP result of anti-SPCS2 (IP:14872-1-AP, 4ug; Detection:14872-1-AP 1:2000) with mouse colon tissue lysate 800 ug.