

**SPCS3 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6676b**

**Specification**

---

**SPCS3 Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">P61009</a>
Other Accession	<a href="#">Q3SZU5</a> , <a href="#">Q6ZW07</a>
Reactivity	Human, Mouse
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20313
Antigen Region	152-180

**SPCS3 Antibody (C-term) - Additional Information**

**Gene ID** 60559

**Other Names**

Signal peptidase complex subunit 3, 34--, Microsomal signal peptidase 22/23 kDa subunit, SPC22/23, SPase 22/23 kDa subunit, SPCS3, SPC22

**Target/Specificity**

This SPCS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 152-180 amino acids from the C-terminal region of human SPCS3.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SPCS3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SPCS3 Antibody (C-term) - Protein Information**

**Name** SPCS3

**Synonyms** SPC22

**Function** Essential component of the signal peptidase complex (SPC) which catalyzes the cleavage of N-terminal signal sequences from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum (PubMed:[27499293](#), PubMed:[34388369](#)). Essential for the SPC catalytic activity, possibly by stabilizing and positioning the active center of the complex close to the luminal surface (By similarity).

**Cellular Location**

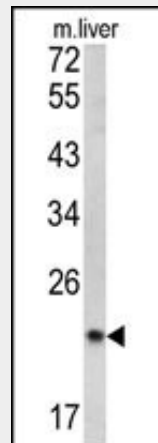
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P61008}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P61008}

**SPCS3 Antibody (C-term) - Protocols**

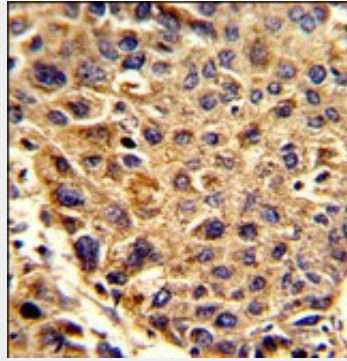
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

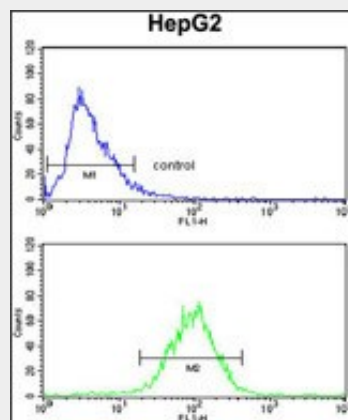
**SPCS3 Antibody (C-term) - Images**



Western blot analysis of SPCS3 antibody (C-term) (Cat. #AP6676b) in mouse liver tissue lysates (35ug/lane). SPCS3 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with SPCS3 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



SPCS3 Antibody (C-term)(Cat.#AP6676b) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **SPCS3 Antibody (C-term) - Background**

SPCS3 is a component of the microsomal signal peptidase complex which removes signal peptides from nascent proteins as they are translocated into the lumen of the endoplasmic reticulum.

### **SPCS3 Antibody (C-term) - References**

Clark,H.F., Genome Res. 13 (10), 2265-2270 (2003)