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SPCS3 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6676b

Specification

SPCS3 Antibody (C-term) - Product Information

Application	**FC, WB, IHC-P,E**
Primary Accession	P61009
Other Accession	Q3SZU5, Q6ZWQ7
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
FC~~1:10~50
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

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

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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 lumenal surface (By similarity).

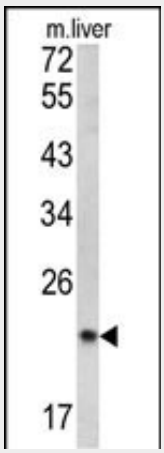
Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P61008}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P61008}

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 Cytomety
- 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.

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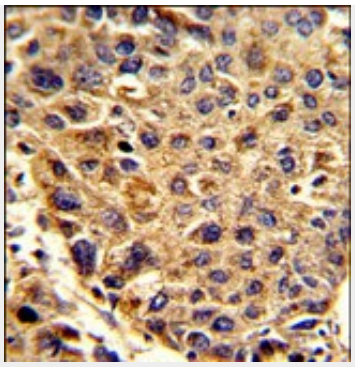
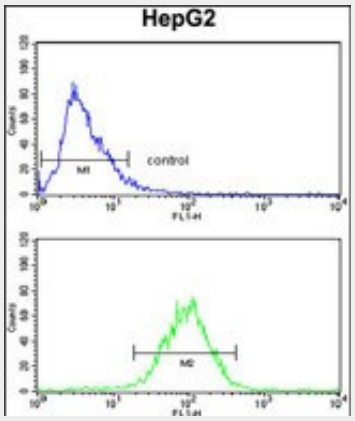


Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with SPCS3 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



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)