10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPCS3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6676b

Specification

SPCS3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P61009

SPCS3 Antibody (C-term) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP6676b was selected from the C-term region of human SPCS3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SPCS3 Antibody (C-term) Blocking Peptide - 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 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) Blocking Peptide - Protocols

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

- Blocking Peptides

SPCS3 Antibody (C-term) Blocking Peptide - Images

SPCS3 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References

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