

# **SEC11A Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP20099c

## **Specification**

#### SEC11A Antibody (Center) - Product Information

Application WB,E
Primary Accession P67812

Other Accession <u>P0C7V7</u>, <u>P42667</u>, <u>O9R0P6</u>, <u>P67810</u>,

NP\_055115.1

Reactivity Human

Predicted Bovine, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Antigen Region 95-123

# SEC11A Antibody (Center) - Additional Information

#### **Gene ID 23478**

#### **Other Names**

Signal peptidase complex catalytic subunit SEC11A, Endopeptidase SP18, Microsomal signal peptidase 18 kDa subunit, SPase 18 kDa subunit, SEC11 homolog A, SEC11-like protein 1, SPC18, SEC11A, SEC11L1, SPC18, SPCS4A

## Target/Specificity

This SC11A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 95-123 amino acids from the Central region of human SC11A.

# **Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### 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**

SEC11A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

#### SEC11A Antibody (Center) - Protein Information



#### Name SEC11A

# Synonyms SEC11L1, SPC18, SPCS4A

**Function** Catalytic 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:34388369). Specifically cleaves N- terminal signal peptides that contain a hydrophobic alpha-helix (h- region) shorter than 18-20 amino acids (PubMed:34388369).

#### **Cellular Location**

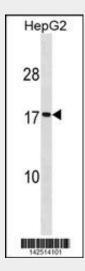
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P67811}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:P67811}

## **SEC11A Antibody (Center) - Protocols**

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

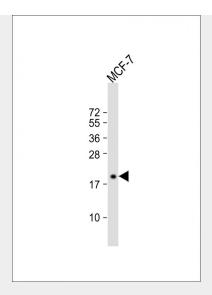
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## SEC11A Antibody (Center) - Images



SEC11A Antibody (Center) (Cat. #AP20099c) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the SC11A antibody detected the SEC11A protein (arrow).





Anti-SEC11A Antibody (Center) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 21 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

# SEC11A Antibody (Center) - Background

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 (By similarity).

# **SEC11A Antibody (Center) - References**

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007): Dodson, G., et al. Curr. Opin. Struct. Biol. 8(2):189-194(1998)