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SEC11A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20099c

Product Information

Application	WB, E
Primary Accession	P67812
Other Accession	P0C7V7, P42667, Q9R0P6, P67810, NP_055115.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42514
Calculated MW	20625
Antigen Region	95-123

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.

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}

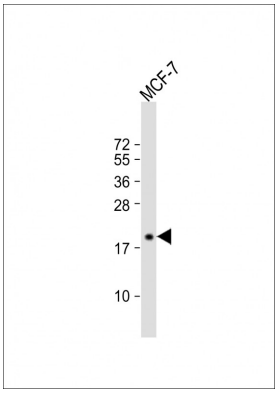
Background

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).

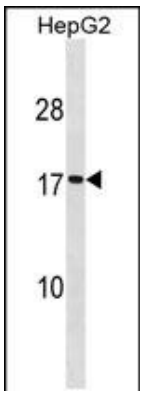
References

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

Images



Anti-SEC11A Antibody (Center) at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg 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) (Cat. #AP20099c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the SC11A antibody detected the SC11A protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.