

SEC11C Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21629c

Product Information

Application	WB, E
Primary Accession	Q9BY50
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53135
Calculated MW	21542

Additional Information

Gene ID	90701
Other Names	Signal peptidase complex catalytic subunit SEC11C, Microsomal signal peptidase 21 kDa subunit, SPase 21 kDa subunit, SEC11 homolog C, SEC11-like protein 3, SPC21, SEC11C, SEC11L3, SPC21, SPCS4C
Target/Specificity	This SEC11C antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 85-120 amino acids from the Central region of human SEC11C.
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	SEC11C Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SEC11C
Synonyms	SEC11L3, SPC21, SPCS4C
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:P13679};
Single-pass type II membrane protein {ECO:0000250|UniProtKB:P13679}

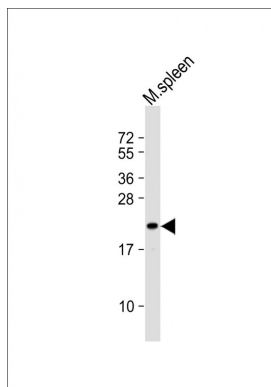
Background

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.

References

Li Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



Anti-SEC11C Antibody (Center) at 1:2000 dilution + mouse spleen lysate Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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