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SEC24C Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP4773c

Specification

SEC24C Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P53992
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**118325**
Antigen Region	**443-470**

SEC24C Antibody (Center) - Additional Information

Gene ID 9632

Other Names
Protein transport protein Sec24C, SEC24-related protein C, SEC24C, KIAA0079

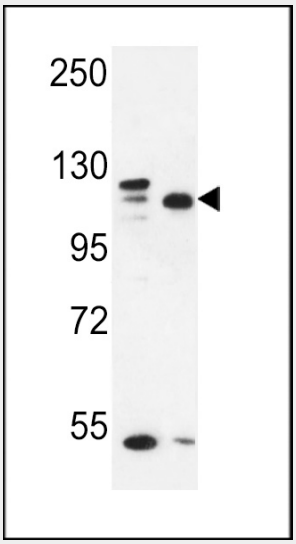
Target/Specificity
This SEC24C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 443-470 amino acids from the Central region of human SEC24C.

Dilution
WB~~1:1000

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
SEC24C Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.



SEC24C Antibody (Center) (Cat. #AP4773c) western blot analysis in MDA-MB435,MCF-7 cell line lysates (35ug/lane).This demonstrates the SEC24C antibody detected the SEC24C protein (arrow).

SEC24C Antibody (Center) - Background

SEC24C is a member of the SEC24 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec24p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The product of this gene may play a role in shaping the vesicle, as well as in cargo selection and concentration.

SEC24C Antibody (Center) - References

Stagg, S.M., et al. Cell 134(3):474-484(2008)
Yamayoshi, S., et al. Cell Host Microbe 3(3):168-177(2008)
Morgan, A.R., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 144B (6), 762-770 (2007)

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SEC24C Antibody (Center) - Protein Information

Name SEC24C (HGNC:10705)

Function
Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules for their transport to the Golgi complex (PubMed:10214955, PubMed:17499046, PubMed:18843296, PubMed:20427317). Plays a central role in cargo selection within the COPII complex and together with SEC24D may have a different specificity compared to SEC24A and SEC24B (PubMed:17499046, PubMed:20427317, PubMed:18843296). May more specifically package GPI-anchored proteins through the cargo receptor TMED10 (PubMed:20427317). May also be specific for IxM motif- containing cargos like the SNAREs GOSR2 and STX5 (PubMed:18843296).

Cellular Location
Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytosol

Tissue Location

Ubiquitous..

SEC24C Antibody (Center) - 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