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SEC31A Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20163C

Specification

SEC31A Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	O94979
Other Accession	NP_055748.2
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**133015**
Antigen Region	**473-502**

SEC31A Antibody (Center) - Additional Information

Gene ID 22872

Other Names
Protein transport protein Sec31A, ABP125, ABP130, SEC31-like protein 1, SEC31-related protein A, Web1-like protein, SEC31A, KIAA0905, SEC31L1

Target/Specificity
This SEC31A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 473-502 amino acids from the Central region of human SEC31A.

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
SEC31A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SEC31A Antibody (Center) - Protein Information

Name SEC31A

Synonyms KIAA0905, SEC31L1

Function Component of the coat protein complex II (COPII) which promotes the formation of transport vesicles from the endoplasmic reticulum (ER) (PubMed:10788476). The coat has two main functions, the physical deformation of the endoplasmic reticulum membrane into vesicles and the selection of cargo molecules (By similarity).

Cellular Location
Cytoplasm. Cytoplasmic vesicle, COPII-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Endoplasmic reticulum membrane; Peripheral membrane protein. Cytoplasm, cytosol. Note=Associates with membranes in a GTP- dependent manner (By similarity). Localizes to endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER) (PubMed:17428803, PubMed:25201882, PubMed:28442536) {ECO:0000250|UniProtKB:Q9Z2Q1, ECO:0000269|PubMed:17428803, ECO:0000269|PubMed:25201882, ECO:0000269|PubMed:28442536}

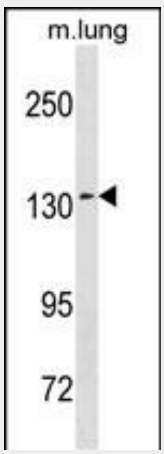
Tissue Location
Abundantly and ubiquitously expressed.

SEC31A 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

SEC31A Antibody (Center) - Images



SEC31A Antibody (Center) (Cat. #AP20163c) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the SEC31A antibody detected the SEC31A protein (arrow).

SEC31A Antibody (Center) - Background

The protein encoded by this gene is similar to yeast Sec31

protein. Yeast Sec31 protein is known to be a component of the COPII protein complex which is responsible for vesicle budding from endoplasmic reticulum (ER). This protein was found to colocalize with SEC13, one of the other components of COPII , in the subcellular structures corresponding to the vesicle transport function. An immunodepletion experiment confirmed that this protein is required for ER-Golgi transport. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq].

SEC31A Antibody (Center) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Townley, A.K., et al. J. Cell. Sci. 121 (PT 18), 3025-3034 (2008) :
Stagg, S.M., et al. Cell 134(3):474-484(2008)
Shibata, H., et al. J. Biol. Chem. 283(15):9623-9632(2008)
Bi, X., et al. Dev. Cell 13(5):635-645(2007)