

## **SAR1A Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6915c

### **Specification**

## **SAR1A Antibody (Center) - Product Information**

Application WB, IHC-P, FC,E

Primary Accession <u>O9NR31</u>

Other Accession Q52NI3, P36536, Q3T0D7

Reactivity Human

Predicted Bovine, Mouse, Pig

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 22367
Antigen Region 122-149

# SAR1A Antibody (Center) - Additional Information

#### **Gene ID 56681**

#### **Other Names**

GTP-binding protein SAR1a, COPII-associated small GTPase, SAR1A, SAR1, SARA, SARA1

#### **Target/Specificity**

This SAR1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-149 amino acids from the Central region of human SAR1A.

### **Dilution**

WB~~1:1000 IHC-P~~1:10~50 FC~~1:10~50

### **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**

SAR1A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### SAR1A Antibody (Center) - Protein Information

## Name SAR1A





# Synonyms SAR1, SARA, SARA1

**Function** Involved in transport from the endoplasmic reticulum to the Golgi apparatus (By similarity). Required to maintain SEC16A localization at discrete locations on the ER membrane perhaps by preventing its dissociation. SAR1A-GTP-dependent assembly of SEC16A on the ER membrane forms an organized scaffold defining endoplasmic reticulum exit sites (ERES).

#### **Cellular Location**

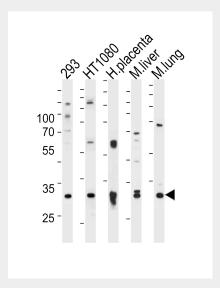
Endoplasmic reticulum. Golgi apparatus

# **SAR1A Antibody (Center) - Protocols**

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

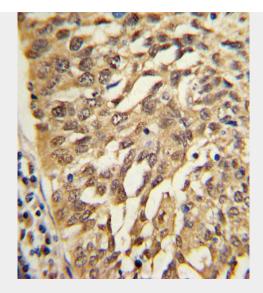
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### SAR1A Antibody (Center) - Images

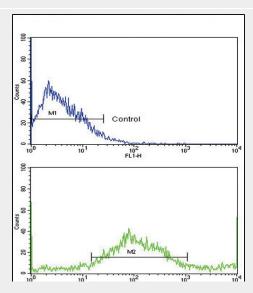


Western blot analysis of lysates from 293,HT1080 cell line,human placenta,mouse liver and lung tissue (from left to right),using SAR1A Antibody (Center)(Cat. #AP6915c).AP6915c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.





Formalin-fixed and paraffin-embedded human lung carcinoma with SAR1A Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of NCI-H292 cells using SAR1A Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## SAR1A Antibody (Center) - Background

SAR1A is involved in transport from the endoplasmic reticulum to the Golgi apparatus (By similarity) and required to maintain SEC16A localization at discrete locations on the ER membrane perhaps by preventing its dissociation. SAR1A-GTP-dependent assembly of SEC16A on the ER membrane forms an organized scaffold defining endoplasmic reticulum exit sites (ERES).

### **SAR1A Antibody (Center) - References**

Morgan, A.R., et.al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 144B (6), 762-770(2007)