

Rabbit SAR1A Polyclonal Antibody | anti-SAR1A antibody

SAR1A Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283800	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Pig)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

SAR1A; Polyclonal Antibody; SAR1A Antibody (Center); GTP-binding protein SAR1a; COPII-associated small GTPase; SAR1; SARA; SARA1; anti-SAR1A antibody

PRODUCT SPECIFICATIONS

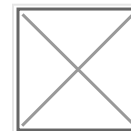
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SAR1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-149 amino acids from the Central region of human SAR1A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	122-149
Sequence Length	155
Applicable Applications for anti-SAR1A antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

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.



IHC (Immunohistochemistry)

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.



WB (Western Blot)

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). AAA283800 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 35 µg per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-SAR1A antibody	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).
Product Categories/Family for anti-SAR1A antibody	Crown Antibodies; Signal Transduction
References	Morgan, A.R., et al., Am. J. Med. Genet. B Neuropsychiatr. Genet. 144B (6), 762-770 (2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	217416369
NCBI GeneID	56681
NCBI Accession #	NP_001136120.1; NP_064535.1
NCBI GenBank Nucleotide #	NM_001142648.1
UniProt Accession #	Q9NR31; B4DQ19
Molecular Weight	22367
NCBI Official Full Name	GTP-binding protein SAR1a
NCBI Official Synonym Full Names	secretion associated, Ras related GTPase 1A
NCBI Official Symbol	SAR1A
NCBI Official Synonym Symbols	SAR1; Sara; SARA1; masra2
NCBI Protein Information	GTP-binding protein SAR1a
UniProt Protein Name	GTP-binding protein SAR1a
UniProt Gene Name	SAR1A
UniProt Synonym Gene Names	SAR1; SARA; SARA1
UniProt Entry Name	SAR1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sar1a-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/283800>