

Rabbit SAR1A Polyclonal Antibody | anti-SAR1A antibody

Phospho-SAR1A (Thr139) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329417	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (83%), Xenopus (83%)	ELISA, Western Blot

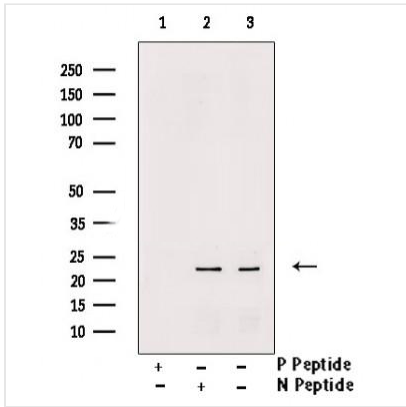
PRODUCT SYNONYMS

SAR1A; Polyclonal Antibody; Phospho-SAR1A (Thr139) Antibody; COPII associated small GTPase; COPII-associated small GTPase; GTP binding protein SAR1a; GTP-binding protein SAR1a; Masra 2; Masra2; SAR 1; SAR1 gene homolog A; SAR1 homolog A (S. cerevisiae); SAR1a gene homolog (S cerevisiae) 1; SAR1a gene homolog 1 (S cerevisiae); SAR1a gene homolog 1; SAR1A_HUMAN; SARA 1; Sara; SARA1; anti-SAR1A antibody

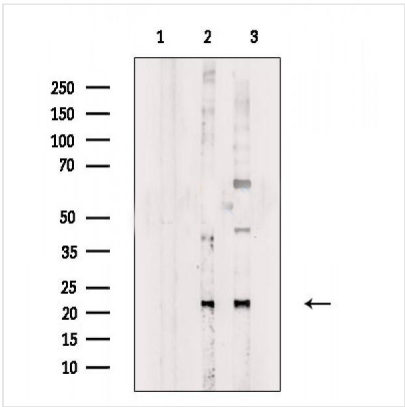
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (83%), Xenopus (83%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-SAR1A (Thr139) Antibody detects endogenous levels of SAR1A only when phosphorylated at Thr139.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SAR1A antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SAR1A around the phosphorylation site of Thr139.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Interacts with B3GAT1.
Similarity	Belongs to the small GTPase superfamily. SAR1 family.
Subcellular Location	Endoplasmic reticulum. Golgi apparatus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Jurkat , using Phospho-SAR1A(Thr139) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from various samples, using Phospho-SAR1A (Thr139) Antibody. Lane 1: RAW264.7 cells(LPS 4h treatment), blocked with antigen-specific peptides, Lane 2: RAW264.7 cells(LPS 4h treatment), Lane 3: HepG2 cells(LPS 4h treatment).

ADDITIONAL INFORMATION

Related Product Information for anti-SAR1A antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	14548013
NCBI GeneID	56681
UniProt Accession #	Q9NR31; B4DQ19
Molecular Weight	198
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; SAR1 homolog A; SAR1 gene homolog A; SAR1a gene homolog 1; COPII-associated small GTPase
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.