

Rabbit anti-Human SAR1A Polyclonal Antibody | anti-SAR1A antibody

Anti-SAR1A Antibody, Rabbit Polyclonal

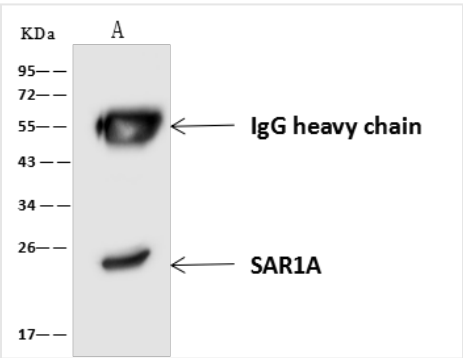
CATALOG # AAA255995	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

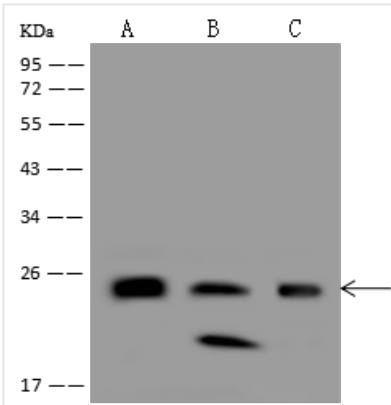
SAR1A; Polyclonal Antibody; Anti-SAR1A Antibody; Rabbit Polyclonal; SAR1A Antibody; Rabbit PAb; Antigen Affinity Purified; secretion associated; Ras related GTPase 1A; Anti-masra2 Antibody; Anti-SAR1 Antibody; Anti-Sara Antibody; Anti-SARA1 Antibody; anti-SAR1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SAR1A
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SAR1A antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human SAR1A fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SAR1A fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
SAR1A was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate + 4 uL anti-SAR1A rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-SAR1A rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 25 kDa.



WB (Western Blot)
Anti-SAR1A rabbit polyclonal antibody at 1:500 dilution. Lane A: 293T Whole Cell Lysate. Lane B: A431 Whole Cell Lysate. Lane C: 293 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 25 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-SAR1A antibody	SAR1A (Secretion Associated Ras Related GTPase 1A) is a Protein Coding gene. The SAR1A gene, located on 10q22.1, is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, S.cerevisiae, K.lactis, E.gossypii, S.pombe, M.oryzae, N.crassa, A.thaliana, rice, and frog. SAR1A is widely expressed in fat, placenta, and other tissues. SAR1A is involved in transport from the endoplasmic reticulum to the Golgi apparatus (By similarity). Diseases associated with SAR1A include Chylomicron Retention Disease and Craniolenticulosutural Dysplasia. Among its related pathways are Sterol Regulatory Element-Binding Proteins (SREBP) signaling and Delta508-CFTR traffic/ER-to-Golgi in CF. 197 organisms have orthologs with the human gene SAR1A.
References	Urai Y, et al. (2018) Pull down assay for gtp-bound form of sar1a reveals its activation during morphological differentiation. Biochem Biophys Res Commun 503 (3): 2047-2053. Pule GD, et al. (2017) Sar1a promoter polymorphisms are not associated with fetal hemoglobin in patients with sickle cell disease from cameroon. BMC Res Notes 10 (1): 183. Petrosyan A, et al. (2015) Downregulation of the small gtpase sar1a: A key event underlying alcohol-induced golgi fragmentation in hepatocytes. Sci Rep 5 17127.

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.