

SAR1B Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53321**Specification**

SAR1B Antibody - Product Information

Application	WB
Primary Accession	Q9Y6B6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22 KDa
Antigen Region	116-165

SAR1B Antibody - Additional Information**Gene ID** 51128**Other Names**

GTP-binding protein SAR1b, GTP-binding protein B, GTBPB, SAR1B, SARA2, SARB

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

SAR1B Antibody - Protein Information**Name** SAR1B {ECO:0000303|PubMed:33186557, ECO:0000312|HGNC:HGNC:10535}**Function**

GTP-binding protein involved in transport from the endoplasmic reticulum to the Golgi apparatus (By similarity). Activated by the guanine nucleotide exchange factor PREB (By similarity). Involved in the selection of the protein cargo and the assembly of the COPII coat complex (By similarity). Synergizes with the cargo receptor SURF4 to mediate the export of lipoproteins from the endoplasmic reticulum, thereby regulating lipoprotein delivery and the maintenance of lipid homeostasis (PubMed:33186557).

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9QVY3}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9QVY3}. Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:Q9QVY3}; Peripheral membrane protein

{ECO:0000250|UniProtKB:Q9QVY3}. Note=Associated with the endoplasmic reticulum and Golgi stacks, in particular in the juxta-nuclear Golgi region. {ECO:0000250|UniProtKB:Q9QVY3}

Tissue Location

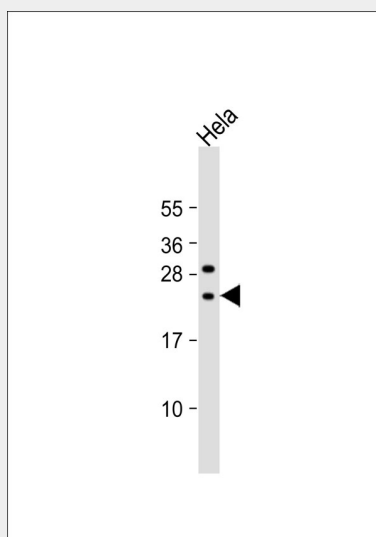
Expressed in many tissues including small intestine, liver, muscle and brain.

SAR1B Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SAR1B Antibody - Images



Anti-SAR1B Antibody at 1:1000 dilution + HeLa whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

SAR1B Antibody - Background

Involved in transport from the endoplasmic reticulum to the Golgi apparatus. Activated by the guanine nucleotide exchange factor PREB. Involved in the selection of the protein cargo and the assembly of the COPII coat complex.

SAR1B Antibody - References

Song H.,et al.Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
Zhou Y.,et al.Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Jones B., et al. Nat. Genet. 34:29-31(2003).