

SARA2 / SAR1B Antibody (clone AT1C7)
Mouse Monoclonal Antibody
Catalog # ALS15889**Specification**

SARA2 / SAR1B Antibody (clone AT1C7) - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC |
| Primary Accession | Q9Y6B6 |
| Reactivity | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Calculated MW | 22kDa KDa |

SARA2 / SAR1B Antibody (clone AT1C7) - Additional Information**Gene ID** 51128**Other Names**

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

Target/Specificity

Human SARA2 / SAR1B

Reconstitution & Storage

Can be stored at 4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Precautions

SARA2 / SAR1B Antibody (clone AT1C7) is for research use only and not for use in diagnostic or therapeutic procedures.

SARA2 / SAR1B Antibody (clone AT1C7) - 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.

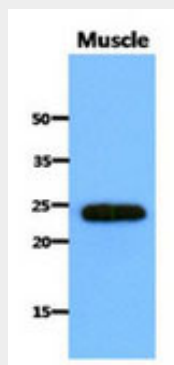
Volume

50 µl

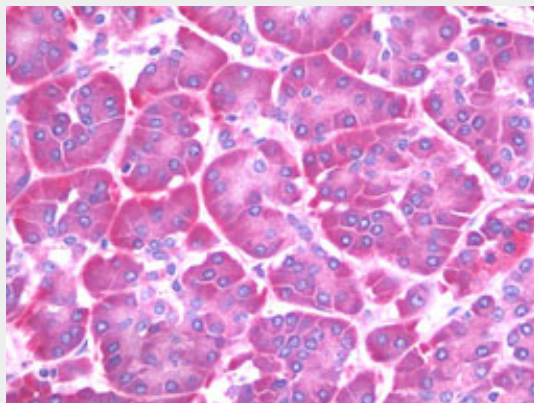
SARA2 / SAR1B Antibody (clone AT1C7) - Protocols

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](#)

SARA2 / SAR1B Antibody (clone AT1C7) - Images

Western Blot: The extract of Mouse muscle (40 ug) were resolved by SDS-PAGE, transferred to PVDF...



Anti-SARA2 / SAR1B antibody IHC staining of human pancreas.

SARA2 / SAR1B Antibody (clone AT1C7) - 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.

SARA2 / SAR1B Antibody (clone AT1C7) - 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).