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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.

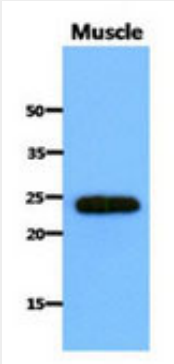
Volume
50 µl

SARA2 / SAR1B Antibody (clone AT1C7) - Protocols

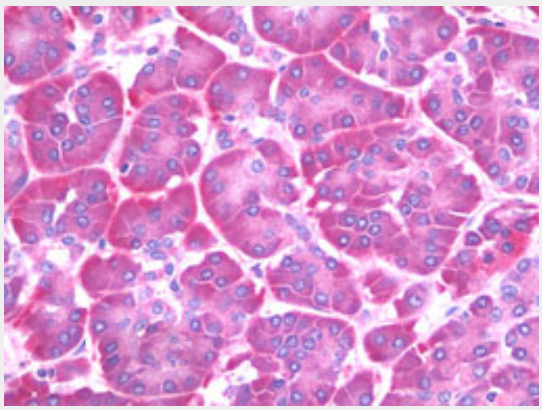
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).