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Goat Anti-SART1 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1959a

Specification

Goat Anti-SART1 Antibody - Product Information

Application	**WB**
Primary Accession	O43290
Other Accession	NP_005137, 9092, 20227 (mouse), 29678 (rat)
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**90255**

Goat Anti-SART1 Antibody - Additional Information

Gene ID 9092

Other Names
U4/U6.U5 tri-snRNP-associated protein 1, SNU66 homolog, hSnu66, Squamous cell carcinoma antigen recognized by T-cells 1, SART-1, hSART-1, U4/U6.U5 tri-snRNP-associated 110 kDa protein, Hom s 1, SART1

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-SART1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SART1 Antibody - Protein Information

Name SART1

Function
Plays a role in mRNA splicing as a component of the U4/U6-U5 tri-snRNP, one of the building blocks of the spliceosome. May also bind to DNA.

Cellular Location

Nucleus. Note=Found in the nucleus of mitogen- activated peripheral blood mononuclear cells (PBMCs), tumor cells, or normal cell lines, but not in normal tissues except testis and fetal liver or in unstimulated PBMCs, suggesting preferential expression in proliferating cells

Tissue Location
Ubiquitously expressed.

Goat Anti-SART1 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 Cytomety
- Cell Culture

Goat Anti-SART1 Antibody - Images

AF1959a (0.03 µg/ml) staining of Hela lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SART1 Antibody - Background

This gene encodes two proteins, the SART1(800) protein expressed in the nucleus of the majority of proliferating cells, and the SART1(259) protein expressed in the cytosol of epithelial cancers. The SART1(259) protein is translated by the mechanism of -1 frameshifting during posttranscriptional regulation; its full-length sequence is not published yet. The two encoded proteins are thought to be involved in the regulation of proliferation. Both proteins have tumor-rejection antigens. The SART1(259) protein possesses tumor epitopes capable of inducing HLA-A2402-restricted cytotoxic T lymphocytes in cancer patients. This SART1(259) antigen may be useful in specific immunotherapy for cancer patients and may serve as a paradigmatic tool for the diagnosis and treatment of patients with atopy. The SART1(259) protein is found to be essential for the recruitment of the tri-snRNP to the pre-spliceosome in the spliceosome assembly pathway.

Goat Anti-SART1 Antibody - References

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