

ARG59594 anti-SART1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SART1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SART1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-255 of Human SART1 (NP_005137.1).
Conjugation	Un-conjugated
Alternate Names	allergen Hom s 1; Snu66; Ara1; hSnu66; U4/U6.U5 tri-snRNP-associated 110 kDa protein; U4/U6.U5 tri-snRNP-associated protein 1; SNU66 homolog; Squamous cell carcinoma antigen recognized by T-cells 1; HOMS1; hSART-1; SART1259; SNRNP110; SART-1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	1:20 - 1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain, Mouse brain and HeLa	
Observed Size	120 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

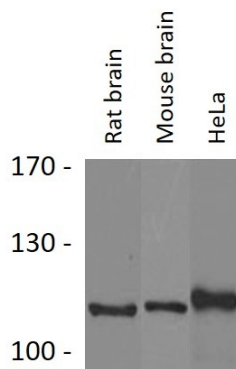
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

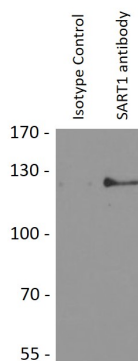
Gene Symbol	SART1
Gene Full Name	squamous cell carcinoma antigen recognized by T cells 1
Background	This gene encodes two proteins, the SART1(800) protein expressed in the nucleus of the majority of proliferating cells, and the SART1(259) protein expressed in the cytosol of epithelial cancers. The SART1(259) 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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	90 kDa
PTM	Sumoylated with SUMO2. [UniProt]
Cellular Localization	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. [UniProt]

Images



ARG59594 anti-SART1 antibody WB image

Western blot: 25 µg of Rat brain, Mouse brain and HeLa cell lysates stained with ARG59594 anti-SART1 antibody at 1:1000 dilution.



ARG59594 anti-SART1 antibody IP image

Immunoprecipitation: 150 µg extracts of Jurkat cells immunoprecipitated and stained with ARG59594 anti-SART1 antibody at 1:1000 dilution.