ARG63645
anti-SART1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes SART1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow
Tested Application	WB
Specificity	This antibody is expected to recognise both the human SART1(800) and SART1(259) proteins.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	SART1
Species	Human
Immunogen	GSSKKHRGEKEAA-C
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
WB	0.03 - 0.1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

Database links	GeneID: 9092 Human Swiss-port # O43290 Human
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]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody
Calculated Mw	90 kDa
PTM	Sumoylated with SUMO2.

Images

ARG63645 anti-SART1 antibody WB image

Western Blot: HeLa lysate (35 µg protein in RIPA buffer) stained with ARG63645 anti-SART1 antibody at 0.03 µg/ml dilution.