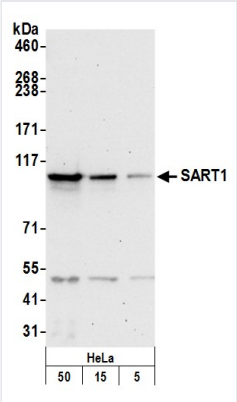
SART1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SART1, Polyclonal Antibody
Full Product Name	Rabbit anti-SART1 Antibody, Affinity Purified
Product Gene Name	anti-SART1 antibody
Product Synonym Names	small nuclear ribonucleoprotein 110kDa (U4/U6.U5); U4/U6.U5 tri-snRNP-associated protein 1; U4/U6.U5 tri-snRNP-associated 110 kDa protein; squamous cell carcinoma antigen recognized by T-cells 1; squamous cell carcinoma antigen recognised by T cells; SNU66 homolog; SNRNP110; SART1259; SART1, U4/U6.U5 tri-snRNP-associated protein 1; SART1(800) protein; SART-1; IgE autoantigen; hypoxia associated factor; hSnu66; hSART-1; HOMS1; HAF; Ara1; allergen Hom s 1; SART1(259) protein; Snu66; U4/U6.U5 tri-snRNP-associated protein 1; spliceosome associated factor 1, recruiter of U4/U6.U5 tri-snRNP
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Whole IgG. Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
Purity/Purification	Antigen Affinity Purified
Concentration	200ug/ml (lot specific)
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt
Molecular Weight	90,255 Da
OMIM	605941
3D Structure	ModBase 3D Structure for O43290
Predicted Reactivity	Mouse, Rat
Immunogen	Between 750 and C-terminus
Conjugation	Unconjugated
Product Categories/Family for anti-SART1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-SART1 antibody	Western Blot (WB)
Application Notes for anti-SART1 antibody	WB: 1:2000-1:10,000
Related Product Information for anti-SART1 antibody	SART1 (squamous cell carcinoma antigen recognized by T cells 1) was originally identified as a gene that encodes an antigenic peptide expressed in squamous cell carcinomas and recognized by cytotoxic T lymphocytes. The SART1 gene encodes two proteins, SART1(800) and SART1(259). SART1(800) has been found to be expressed in the nucleus of the majority of proliferating cells and has been identified as a component of the splicesomal complex required for U4/U6.U5 tri-snRNP recruitment and the assembly of mature splicesomes.
Other Notes	Small volumes of anti-SART1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SART1 purchase	MBS3901918 is an antibody targeting SART1. Also known as Rabbit anti-SART1 Antibody, Affinity Purified. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SART1 antibody
Detection of human SART1 by western blot. Samples: Whole cell lysate (5, 15 and 50 ug) from HeLa cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SART1 antibody MBS3901918 (lot MBS3901918-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SART1. It may not necessarily be applicable to this product.

NCBI GI #	10863889
NCBI GeneID	9092
NCBI Accession #	NP_005137.1
UniProt Primary Accession #	O43290
UniProt Secondary Accession #	Q53GB5; A6NDN1
UniProt Related Accession #	O43290
GenBank Nucleotide #	NM_005146.4
NCBI Official Full Name	U4/U6.U5 tri-snRNP-associated protein 1
NCBI Official Synonym Full Names	squamous cell carcinoma antigen recognized by T-cells 1
NCBI Official Symbol	SART1
NCBI Official Synonym Symbols	Ara1; HOMS1; Snu66; SART1259; SNRNP110
UniProt Protein Name	U4/U6.U5 tri-snRNP-associated protein 1
UniProt Synonym Protein Names	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; Allergen: Hom s 1
Protein Family	U4/U6.U5 tri-snRNP-associated protein
UniProt Gene Name	SART1
UniProt Synonym Gene Names	hSnu66; SART-1; hSART-1
UniProt Entry Name	SNUT1_HUMAN
NCBI Protein Information	U4/U6.U5 tri-snRNP-associated protein 1

NCBI Summary for SART1	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 Articles on SART1	**1.** SART1 exerts its anti-Hepatitis C virus action through direct transcriptional regulation for some Interferon stimulating genes and alternative splicing for others.
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