

For Research Use Only

# SART1 Polyclonal antibody

Catalog Number: 22675-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

22675-1-AP

**Size:**

150ul, Concentration: 700 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG18478

**GenBank Accession Number:**

BC001058

**GeneID (NCBI):**

9092

**UNIPROT ID:**

O43290

**Full Name:**

squamous cell carcinoma antigen recognized by T cells

**Calculated MW:**

800 aa, 90 kDa

**Observed MW:**

110 kDa

**Purification Method:**

Antigen Affinity purified

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

IF/ICC 1:400-1:1600

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : HeLa cells, Jurkat cells

IP : mouse brain tissue,

IHC : mouse testis tissue,

IF/ICC : HepG2 cells,

## Background Information

Squamous cell carcinoma antigen recognized by T cells (SART1), also known as U4/U6.U5 tri-snRNP-associated 110 kDa protein, is a ubiquitously expressed protein that is involved in mRNA splicing and the regulation of cell proliferation. It has been identified as regulator of c-FLIP and drug-induced activation of caspase 8. The SART1 gene encodes two proteins, the SART1(800) protein is located in the nucleus of the majority of proliferating cells, while the SART1(259) protein is located in the cytosol of epithelial cancers. Genetic variation in the SART1 gene may be associated with breast cancer development. This antibody recognizes the endogenous 800-amino acid SART1, which migrates with an apparent molecular mass of 110 kDa in SDS-PAGE. (PMID: 22027693; 9449708; 19377877; 11350945)

## Notable Publications

Author	Pubmed ID	Journal	Application
Ting Pan	33391530	Theranostics	IF, WB
Yalong Wang	38985674	Cell Rep	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

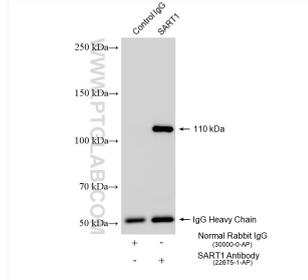
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

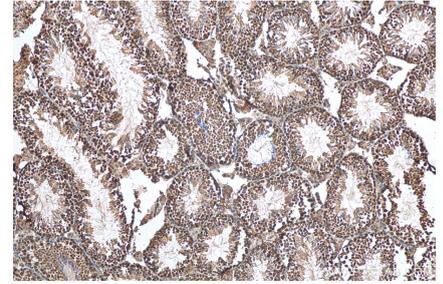
## Selected Validation Data



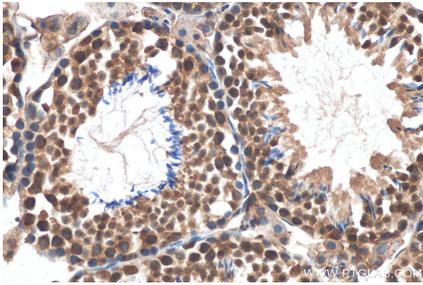
HeLa cells were subjected to SDS PAGE followed by western blot with 22675-1-AP (SART1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



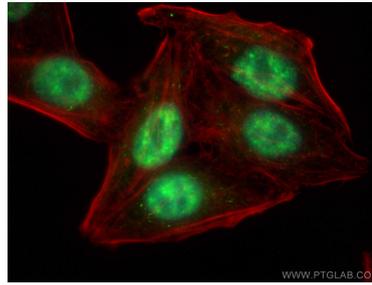
IP result of anti-SART1 (IP:22675-1-AP, 4 $\mu$ g; Detection:22675-1-AP 1:6000) with mouse brain tissue lysate 2100  $\mu$ g.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 22675-1-AP (SART1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 22675-1-AP (SART1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SART1 antibody (22675-1-AP) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).