

For Research Use Only

# SART1 Polyclonal antibody, PBS Only

Catalog Number: 22675-1-PBS

Featured Product



## Basic Information

Catalog Number:

22675-1-PBS

Size:

100ug, Concentration: 1 mg/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

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

## 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)

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

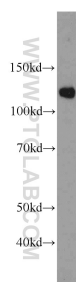
For technical support and original validation data for this product please contact:

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

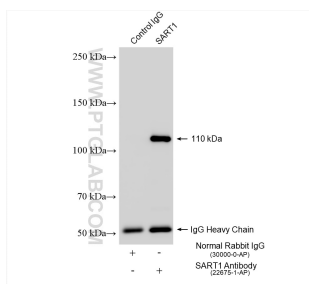
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

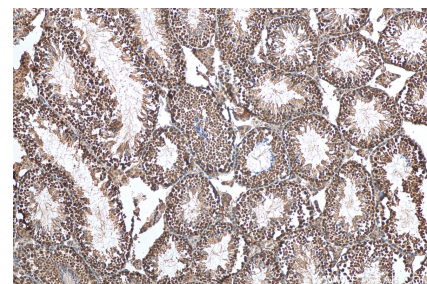
## Selected Validation Data



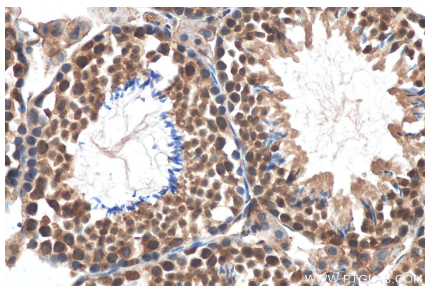
HeLa cells were subjected to SDS PAGE followed by western blot with 22675-1-AP (SART1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22675-1-PBS in a different storage buffer formulation.



IP result of anti-SART1 (IP:22675-1-AP, 4ug; Detection:22675-1-AP 1:6000) with mouse brain tissue lysate 2100 ug. This data was developed using the same antibody clone with 22675-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 22675-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 22675-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 22675-1-PBS in a different storage buffer formulation.