

## SART3 Polyclonal antibody

Catalog Number: 18025-1-AP

4 Publications

## Basic Information

## Catalog Number:

18025-1-AP

## Size:

150ul, Concentration: 600 µg/ml by Nanodrop and 327 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG12590

## GenBank Accession Number:

BC093784

## GeneID (NCBI):

9733

## Full Name:

squamous cell carcinoma antigen recognized by T cells 3

## Calculated MW:

963 aa, 110 kDa

## Observed MW:

110-120 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for IP and 1:500-1:1000

for WB

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, IP, WB, ELISA

## Cited Applications:

IHC, IP, WB

## Species Specificity:

human, mouse, rat

## 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: Jurkat cells,

IP: HeLa cells,

IHC: human testis tissue, human liver tissue, human spleen tissue, human kidney tissue, human lung cancer tissue, human ovary tissue, human placenta tissue, human skin tissue, human brain tissue

## Background Information

The process of mRNA splicing required assembly of pre-mRNA into a large, dynamic RNA-protein complex, in which 5 small nuclear RNAs and more than 50 protein components are incorporated into functional small nuclear ribonucleoproteins (snRNPs). SART3 interacts with U6 snRNA and functioned as a U6-specific recycling factor responsible for regeneration of base-paired U4/U6 snRNPs from post-spliceosomal free U4 and U6 snRNPs. Also it can interact and regulate Tat transactivation activity, and act as a cellular factor for HIV-1 gene expression and viral replication.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhe Chen	28878014	J Biol Chem	WB, IP
Jaehyun Kim	32839293	Mol Cell Biol	
Gaëlle J S Talhouarne	29686135	RNA	IP

## 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

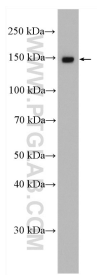
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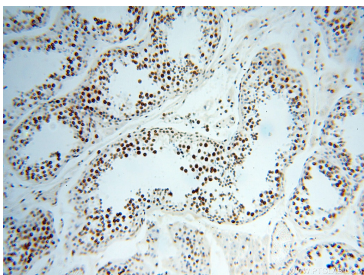
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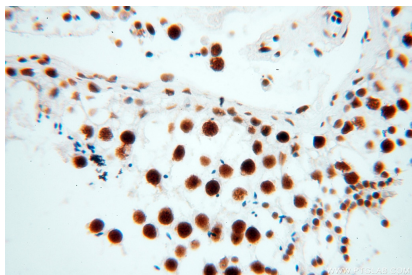
Selected Validation Data



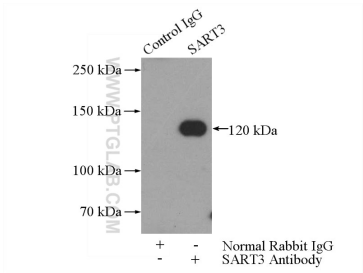
Jurkat cells were subjected to SDS PAGE followed by western blot with 18025-1-AP (SART3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 18025-1-AP (SART3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 18025-1-AP (SART3 antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-SART3 (IP:18025-1-AP, 4ug; Detection:18025-1-AP 1:700) with HeLa cells lysate 2000ug.