

For Research Use Only

SART3 Polyclonal antibody

Catalog Number: 18025-1-AP

4 Publications



Basic Information

Catalog Number:

18025-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12590

GenBank Accession Number:

BC093784

GeneID (NCBI):

9733

UNIPROT ID:

Q15020

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 1.0-3.0 mg of total protein lysate

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IP

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 stomach cancer tissue, human brain tissue, human kidney tissue, human liver tissue, human lung cancer tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue, human testis tissue, mouse kidney tissue, rat kidney 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

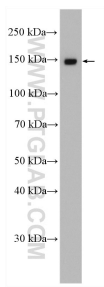
For technical support and original validation data for this product please contact:

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

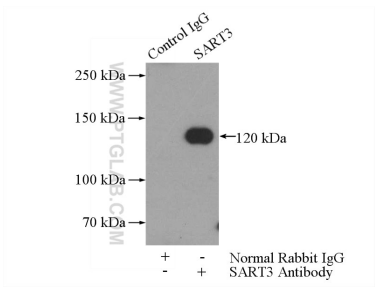
E: proteintech@ptglab.com
W: ptglab.com

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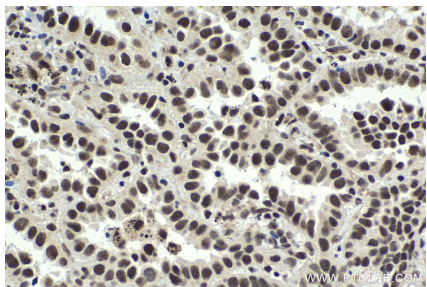
Selected Validation Data



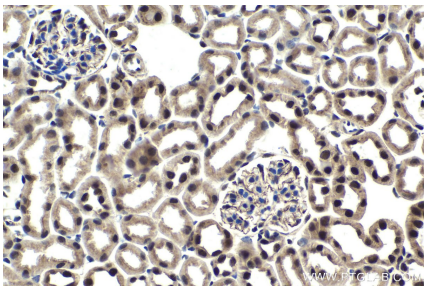
Jurkat cells were subjected to SDS PAGE followed by western blot with 18025-1-AP (SART3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



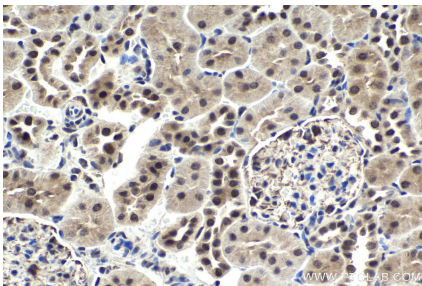
IP result of anti-SART3 (IP:18025-1-AP, 4ug; Detection:18025-1-AP 1:700) with HeLa cells lysate 2000ug.



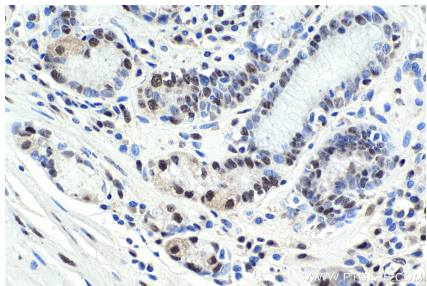
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 18025-1-AP (SART3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 18025-1-AP (SART3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 18025-1-AP (SART3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 18025-1-AP (SART3 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).