For Research Use Only

SART1 Polyclonal antibody

Catalog Number:22675-1-AP Featured Product 1 Publications

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Basic Information

Catalog Number:
22675-1-AP

Size:
150ul , Concentration: 700 μg/ml by Nanodrop and 327 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG18478

GenBank Accession Number:
BC001058

GeneID (NCBI):
9092

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 IP and 1:500-1:2000 for WB
IHC 1:200-1:800
IF 1:20-1:200

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse

Cited Species:
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 : 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

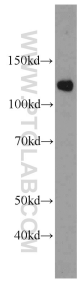
Storage

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

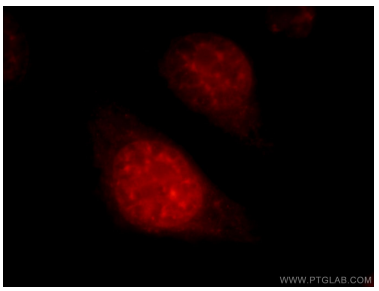
*** 20ul sizes contain 0.1% BSA

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

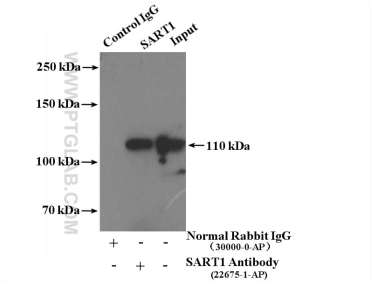
Selected Validation Data



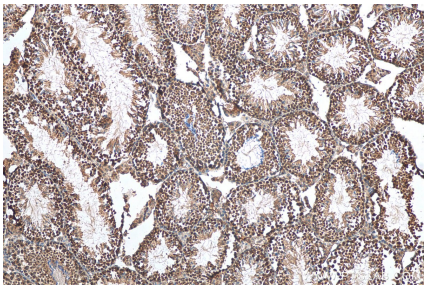
HeLa cells were subjected to SDS PAGE followed by western blot with 22675-1-AP (SART1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



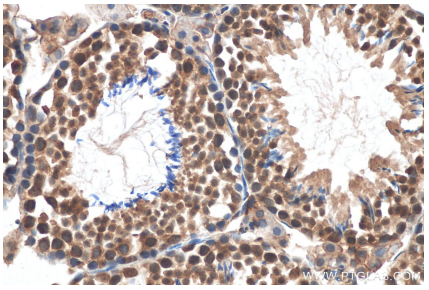
Immunofluorescent analysis of HepG2 cells, using SART1 antibody 22675-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-SART1 (IP:22675-1-AP, 4ug; Detection:22675-1-AP 1:1000) with mouse brain tissue lysate 5200ug.



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).