

For Research Use Only

SRRT Polyclonal antibody

Catalog Number: 20353-1-AP

Featured Product



Basic Information

Catalog Number:

20353-1-AP

Size:

1200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14196

GenBank Accession Number:

BC000082

GeneID (NCBI):

51593

UNIPROT ID:

Q9BXP5

Full Name:

serrate RNA effector molecule
homolog (Arabidopsis)

Calculated MW:

876 aa, 101 kDa

Observed MW:

120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

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

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HEK-293 cells, NIH/3T3 cells, HepG2
cells, K-562 cells

IP : Jurkat cells,

IF/ICC : MCF-7 cells,

Background Information

SRRT (Serrate RNA effector molecule homolog) is also named as ARS2 (Arsenite-resistance protein 2). ARS2/SRRT is an essential eukaryotic protein that has emerged as a critical factor in the sorting of functional from non-functional RNA polymerase II (Pol II) transcripts (PMID: 34060620). SRRT protein is a key component of the nuclear cap-binding complex (CBC), which allows it to modulate the expression of various miRNAs. The SRRT protein is widely expressed throughout the eukaryotes, but not in budding yeast. SRRT has been shown to play a vital role in stem-cell renewal, proliferation, hematopoiesis, and RNA-mediated gene silencing and regulation of miRNA biogenesis (PMID: 37345203). SRRT is involved in cellular proliferation and colony formation (tumorigenicity). Similarly, high SRRT expression has been found in cholangiocarcinoma. ARS2 showed ubiquitous expression, with the highest levels in mouse testes, heart, and liver and human heart and skeletal muscle (PMID: 18086880).

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

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

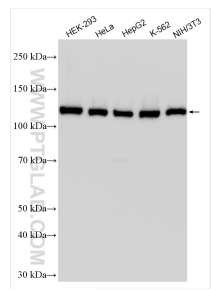
T: 4006900926

E: Proteintech-CN@ptglab.com

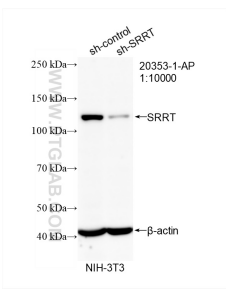
W: ptgcn.com

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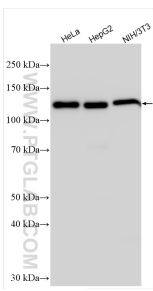
Selected Validation Data



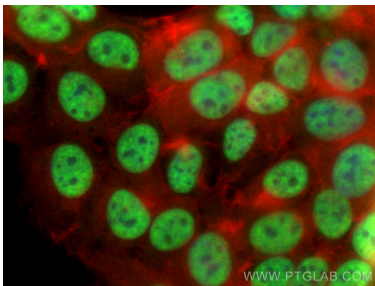
Various lysates were subjected to SDS PAGE followed by western blot with 20353-1-AP (SRRT antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



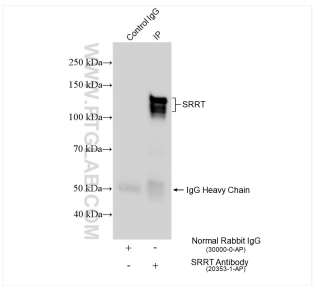
WB result of SRRT antibody (20353-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-SRRT transfected NIH/3T3 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 20353-1-AP (SRRT antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using SRRT antibody (20353-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



IP result of anti-SRRT (IP:20353-1-AP, 4ug; Detection:20353-1-AP 1:30000) with Jurkat cells lysate 1440 ug.