

For Research Use Only

SRRT Polyclonal antibody, PBS Only

Catalog Number: 20353-1-PBS

Featured Product



Basic Information

Catalog Number:

20353-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

Storage Buffer:

PBS Only

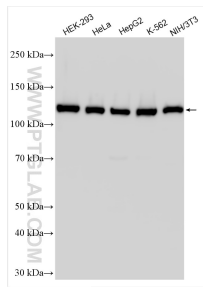
For technical support and original validation data for this product please contact:

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

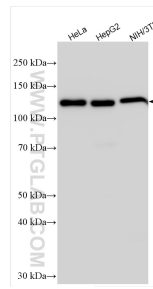
E: proteintech@ptglab.com
W: ptglab.com

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

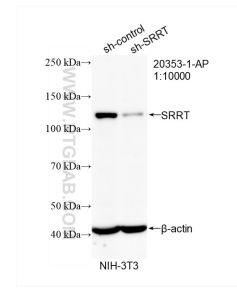
Selected Validation Data



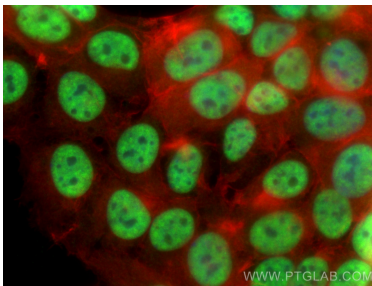
Various lysates were subjected to SDS PAGE followed by western blot with 20353-1-AP (SRRT antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20353-1-PBS in a different storage buffer formulation.



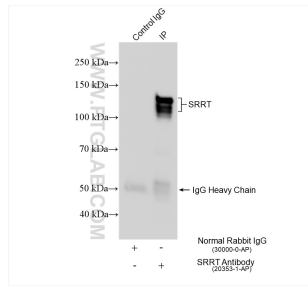
Various lysates were subjected to SDS PAGE followed by western blot with 20353-1-AP (SRRT antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20353-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 20353-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 20353-1-PBS in a different storage buffer formulation.



IP result of anti-SRRT (IP:20353-1-AP, 4ug; Detection:20353-1-AP 1:30000) with Jurkat cells lysate 1440 ug. This data was developed using the same antibody clone with 20353-1-PBS in a different storage buffer formulation.