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SRRT Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17241A

Specification

SRRT Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9BXP5
Other Accession	Q99MR6, A4IFB1, NP_001122325.1, NP_001122324.1
Reactivity	**Human**
Predicted	**Bovine, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**100666**
Antigen Region	**54-81**

SRRT Antibody (N-term) - Additional Information

Gene ID 51593

Other Names
Serrate RNA effector molecule homolog, Arsenite-resistance protein 2, SRRT, ARS2, ASR2

Target/Specificity
This SRRT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 54-81 amino acids from the N-terminal region of human SRRT.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SRRT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SRRT Antibody (N-term) - Protein Information

Name SRRT

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Synonyms ARS2, ASR2

Function Acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. Contributes to the stability and delivery of capped primary miRNA transcripts to the primary miRNA processing complex containing DGCR8 and DROSHA, thereby playing a role in RNA-mediated gene silencing (RNAi) by miRNAs. Binds capped RNAs (m7GpppG-capped RNA); however interaction is probably mediated via its interaction with NCBP1/CBP80 component of the CBC complex. Involved in cell cycle progression at S phase. Does not directly confer arsenite resistance but rather modulates arsenic sensitivity. Independently of its activity on miRNAs, necessary and sufficient to promote neural stem cell self-renewal. Does so by directly binding SOX2 promoter and positively regulating its transcription (By similarity).

Cellular Location
Nucleus, nucleoplasm. Cytoplasm. Note=Predominantly nuclear. Shuttles between the nucleus and the cytoplasm in a CRM1-dependent way (By similarity)

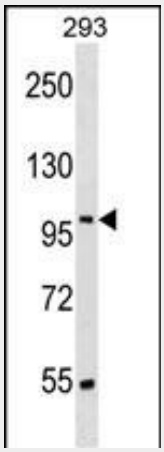
Tissue Location
Ubiquitously expressed.

SRRT Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SRRT Antibody (N-term) - Images



SRRT Antibody (N-term) (Cat. #AP17241a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the SRRT antibody detected the SRRT protein (arrow).

SRRT Antibody (N-term) - Background

SRRT acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. Contributes to the stability and delivery of capped primary miRNA transcripts to the primary miRNA processing complex containing DGCR8 and RNASEN, thereby playing a role in RNA-mediated gene silencing (RNAi) by miRNAs. Binds capped RNAs (m7GpppG-capped RNA); however interaction is probably mediated via its interaction with NCBP1/CBP80 component of the CBC complex. Involved in cell cycle progression at S phase. Does not directly confer arsenite resistance but rather modulates arsenic sensitivity.

SRRT Antibody (N-term) - References

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