

SRRT Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP17241a

Specification

SRRT Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

[Q9BXP5](#)**SRRT Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 51593

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SRRT Antibody (N-term) Blocking Peptide - Protein Information

Name SRRT

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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SRRT Antibody (N-term) Blocking Peptide - Images

SRRT Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

Eijgelsheim, M., et al. Hum. Mol. Genet. 19(19):3885-3894(2010) Kiriya, M., et al. Mol. Cell. Biol. 29(17):4729-4741(2009) Gruber, J.J., et al. Cell 138(2):328-339(2009) Wilson, M.D., et al. Mol. Cell. Biol. 28(5):1503-1514(2008) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)