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Goat Anti-SRRT / ARS2 Antibody

Peptide-affinity purified goat antibody
Catalog # AF4136a

Specification

Goat Anti-SRRT / ARS2 Antibody - Product Information

Application	**WB**
Primary Accession	Q9BXP5
Other Accession	NP_056992.4, NP_001122324.1, NP_001122325.1, NP_001122326.1, 51593, 83701 (mouse), 686980 (rat)
Reactivity	**Human, Mouse, Rat, Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**100666**

Goat Anti-SRRT / ARS2 Antibody - Additional Information

Gene ID 51593

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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Immunogen
Peptide with sequence C-DPRAIVEYRDLDAPD, from the C Terminus of the protein sequence according to NP_056992.4; NP_001122324.1; NP_001122325.1; NP_001122326.1.Please note the peptide is available for sale.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-SRRT / ARS2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SRRT / ARS2 Antibody - 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.

Goat Anti-SRRT / ARS2 Antibody - 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

Goat Anti-SRRT / ARS2 Antibody - Images



AF4136a (0.1 µg/ml) staining of Daudi (A) and Mouse Spleen (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-SRRT / ARS2 Antibody - Background

This antibody is expected to recognize all reported isoform (NP_056992.4; NP_001122324.1; NP_001122325.1; NP_001122326.1).

Goat Anti-SRRT / ARS2 Antibody - References

Ars2 promotes proper replication-dependent histone mRNA 3' end formation. Gruber JJ, Olejniczak SH, Yong J, La Rocca G, Dreyfuss G, Thompson CB. Molecular cell 2012 Jan 45 (1): 87-98. PMID: 22244333