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Datasheet for ABIN872317 **anti-SRRT antibody (AA 721-800)**

Overview

Quantity:	100 µL
Target:	SRRT
Binding Specificity:	AA 721-800
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SRRT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ARS2
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	SRRT
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Target Details

Alternative Name: ARS2 ([SRRT Products](#))

Background: Synonyms: ARS2 protein, Arsenate resistance protein ARS2, Arsenite resistance protein 2, Arsenite resistance protein, ASR2, MGC126427, Serrate, Serrate RNA effector molecule homolog Arabidopsis, Serrate RNA effector molecule homolog, SRRT, SRRT_HUMAN.
Background: ARS2(Arsenite resistance protein 2) confers arsenite resistance. The protein belongs to the ARS2 family. Arsenic is a human carcinogen whose mechanism of action is unknown. The arsenite acts as a comutagen by interfering with DNA repair. Two genes, ASR1(Arsenite resistance protein 1) and ASR2 (Arsenite resistance protein 2), confer arsenite resistance to arsenite-sensitive cells. ASR1 shows almost complete homology with the rat *fau* gene, a tumor suppressor gene which contains a ubiquitin like region fused to S30 ribosomal protein. Arsenite inhibits ubiquitin dependent proteolysis. The tumor suppressor *fau* gene product or some other aspect of the ubiquitin system may be a target for arsenic toxicity and that disruption of the ubiquitin system may contribute to the genotoxicity and carcinogenicity of arsenite.

Gene ID: 51593

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months