

Rabbit anti-Human, Mouse ARS2 Polyclonal Antibody | anti-ARS2 antibody

Rabbit anti-ARS2 Antibody, Affinity Purified

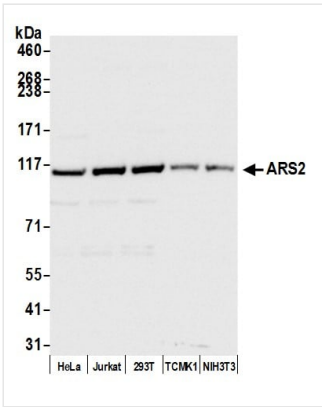
CATALOG # AAA212766	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

ARS2; Polyclonal Antibody; Rabbit anti-ARS2 Antibody; Affinity Purified; serrate; serrate RNA effector molecule homolog; ASR2; arsenite-resistance protein 2; arsenate resistance protein ARS2; arsenate resistance protein 2; arsenite resistance protein; Serrate RNA effector molecule homolog; RNA effector molecule; anti-ARS2 antibody

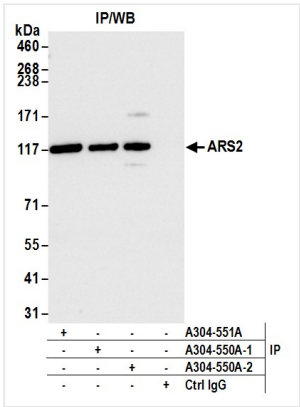
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ARS2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Zebrafish, X. laevis, Bovine, Orangutan
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human and mouse ARS2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, Jurkat, HEK293T, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-ARS2 antibody AAA212766 (lot AAA212766-3) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IP (Immunoprecipitation)

Detection of human ARS2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Hela cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ARS2 antibody AAA212766 (lot AAA212766-3) used for IP at 6 ug per reaction. ARS2 was also immunoprecipitated by a previous lot of this antibody (lot AAA212766-1) and rabbit anti-ARS2 antibody For blotting immunoprecipitated ARS2, AAA212766 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-ARS2 antibody	Arsenate resistance protein 2 (ARS2) acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. ARS2 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. ARS2 does not directly confer arsenite resistance but rather modulates arsenic sensitivity. Independently of its activity on miRNAs, it is necessary and sufficient to promote neural stem cell self-renewa and does so by directly binding SOX2 promoter and positively regulating its transcription (By similarity) [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9BXP5].
Product Categories/Family for anti-ARS2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331218
NCBI GeneID	51593
NCBI Accession #	NP_056992.4; NP_001122324.1; NP_001122325.1; NP_001122326.1
NCBI GenBank Nucleotide #	NM_015908.5
UniProt Accession #	Q9BXP5; O95808; Q32MI4; Q6NT74; Q8TDQ5; Q9BWP6; Q9BXP4; A4D2E5; A4D2E6; A6NK22; B4DJL4; B4DZA6
Molecular Weight	96,222 Da
NCBI Official Full Name	serrate RNA effector molecule homolog isoform a
NCBI Official Synonym Full Names	serrate, RNA effector molecule
NCBI Official Symbol	SRRT
NCBI Official Synonym Symbols	ARS2; ASR2; serrate
NCBI Protein Information	serrate RNA effector molecule homolog
UniProt Protein Name	Serrate RNA effector molecule homolog

UniProt Gene Name	SRRT
UniProt Synonym Gene Names	ARS2; ASR2
UniProt Entry Name	SRRT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ars2-antibody-immunoprecipitation-western-blot-elisa/212766>