




Product datasheet

Anti-ARS2 antibody - N-terminal ab192999

1 References 2 Images

Overview

Product name	Anti-ARS2 antibody - N-terminal
Description	Rabbit polyclonal to ARS2 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Sheep, Horse, Cow, Dog, Pig, Xenopus laevis, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis 
Immunogen	Synthetic peptide within Human ARS2 aa 1-50 (N terminal). The exact sequence is proprietary. (NP_056992.4). Sequence: MGDSDDEYDRRRRDKFRRERSDYDRSRERDERRRG DDWNDREWDRGRERR Database link: Q9BXP5  Run BLAST with  Run BLAST with
Positive control	HeLa, 293T, Jurkat, TCMK-1 and NIH 3T3 whole cell lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate pH 7 to 8
Purity	Immunogen affinity purified
Purification notes	ab192999 was affinity purified using an epitope specific to ARS2 immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab192999** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at 2-10 µg/mg of lysate.
WB		1/2000 - 1/10000. Predicted molecular weight: 101 kDa.

Target

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.

Tissue specificity

Ubiquitously expressed.

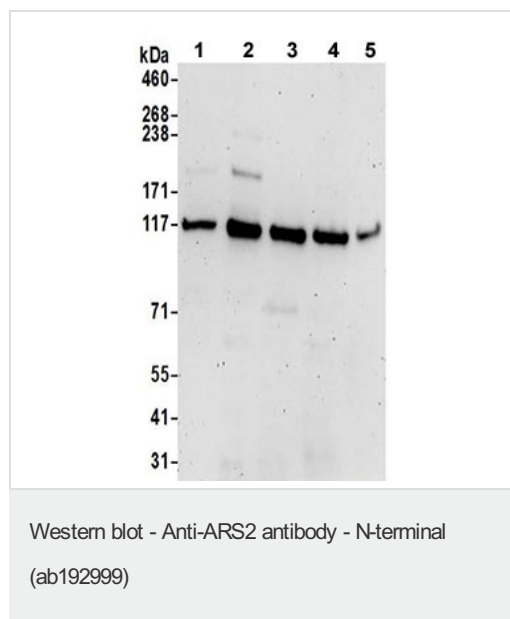
Sequence similarities

Belongs to the ARS2 family.

Cellular localization

Nucleus > nucleoplasm. Cytoplasm. Predominantly nuclear. Shuttles between the nucleus and the cytoplasm in a CRM1-dependent way.

Images



All lanes : Anti-ARS2 antibody - N-terminal (ab192999) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : 293T whole cell lysate

Lane 3 : Jurkat whole cell lysate

Lane 4 : TCMK-1 whole cell lysate

Lane 5 : NIH 3T3 whole cell lysate

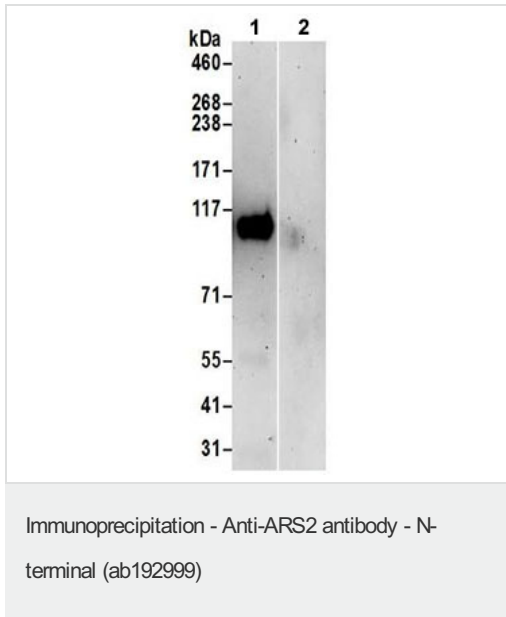
Lysates/proteins at 50 µg per lane.

Developed using the ECL technique.

Predicted band size: 101 kDa

Exposure time: 3 minutes

Lysates prepared using NETN lysis buffer.



Detection of ARS2 in immunoprecipitates of Jurkat whole cell lysate (prepared using NETN lysis buffer; 1 mg for IP, 20% of IP loaded) using ab192999 at 6 $\mu\text{g}/\text{mg}$ lysate for IP and at 1 $\mu\text{g}/\text{ml}$ for subsequent Western blot detection (Lane 1). Lane 2 represents control IgG IP.

Detection: Chemiluminescence with an exposure time of 3 minutes.

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