

Product datasheet

Anti-ARS2 antibody ab88392

3 Images

Overview

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<b>Product name</b>	Anti-ARS2 antibody
<b>Description</b>	Mouse polyclonal to ARS2
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Partial protein corresponding to amino acids 80 - 876 of human ARS2 (Swissprot id Q9BXP5).
<b>Positive control</b>	Human pancreas tissue lysate, Jurkat cell lysate and ARS2 transfected 293T cell lysate
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&amp;As.</p>

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

<b>Storage buffer</b>	pH: 7.4 Constituent: 2.68% PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab88392** 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
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 101 kDa.

## Target

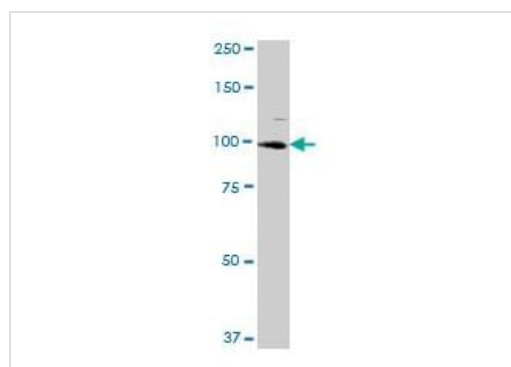
**Function** Acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. Contributes to the stability and delivery of capped primary miRNA transcripts to the primary miRNA processing complex containing DGCR8 and DROSHA, thereby 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



Anti-ARS2 antibody (ab88392) at 1 µg/ml + human pancreas tissue lysate at 50 µg

**Predicted band size:** 101 kDa

**Observed band size:** 99 kDa

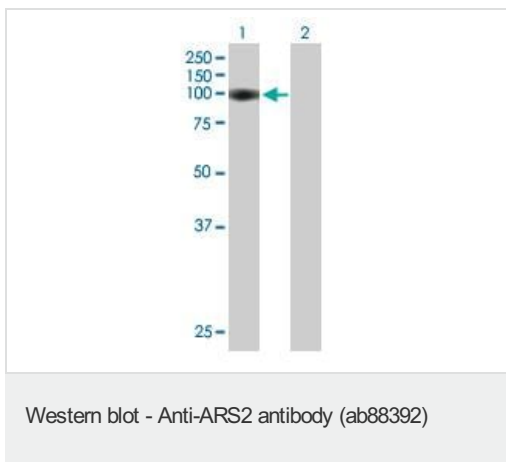
[why is the actual band size different from the predicted?](#)

Western blot - Anti-ARS2 antibody (ab88392)



Anti-ARS2 antibody (ab88392) at 1 µg/ml + Jurkat cell lysate at 50 µg

**Predicted band size:** 101 kDa



**All lanes :** Anti-ARS2 antibody (ab88392) at 1 µg/ml

**Lane 1 :** ARS2 transfected 293T cell lysate

**Lane 2 :** Non transfected 293T cell lysate

Lysates/proteins at 50 µg per lane.

**Predicted band size:** 101 kDa

**Observed band size:** 101 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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