




## Product datasheet

# Anti-ARS2 antibody - C-terminal ab220991

[1 References](#) [2 Images](#)

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-ARS2 antibody - C-terminal   |
| <b>Description</b>         | Rabbit polyclonal to ARS2 - C-terminal  |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB, ICC/IF   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat, Cow, Chinese hamster, Orangutan    |
| <b>Immunogen</b>           | Recombinant fragment corresponding to Human ARS2 aa 750 to the C-terminus (C terminal).<br>Database link: <a href="#">Q9BXP5</a><br><div>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>  |
| <b>Positive control</b>    | RT-4 and U-251 MG cell lysates; MCF7 cells.   |
| <b>General notes</b>       | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p> |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Form</b>                 | Liquid  |
| <b>Storage instructions</b> | 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. |
| <b>Storage buffer</b>       | pH: 7.20<br>Preservative: 0.02% Sodium azide<br>Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS                         |
| <b>Purity</b>               | Immunogen affinity purified   |
| <b>Clonality</b>            | Polyclonal  |
| <b>Isotype</b>              | IgG   |

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab220991 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 0.04 - 0.4 µg/ml. Predicted molecular weight: 101 kDa.          |
| ICC/IF      |           | Use a concentration of 0.25 - 2 µg/ml.<br>Fixation/Permeabilization: PFA/Triton X-100. |

## 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.

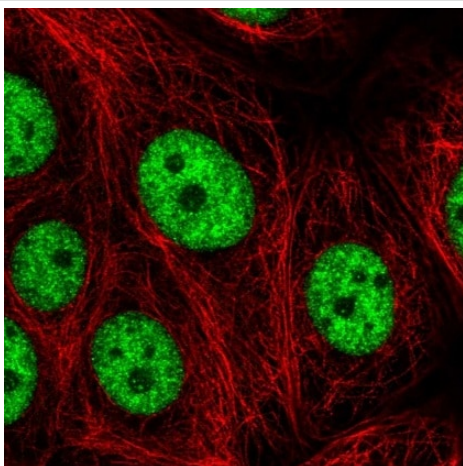
### Sequence similarities

Belongs to the ARS2 family.

### Cellular localization

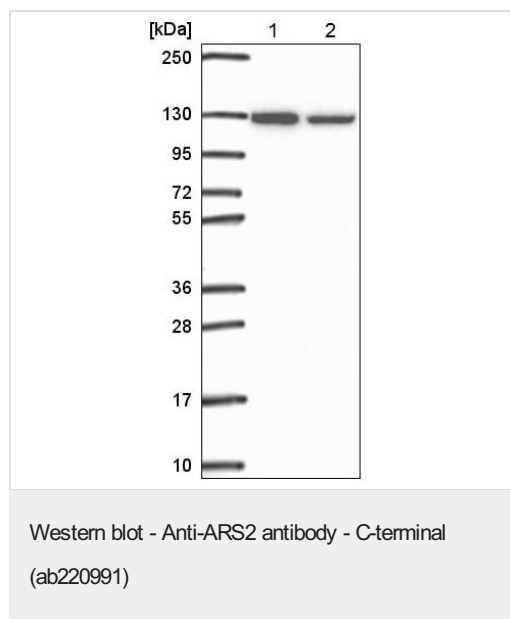
Nucleus > nucleoplasm. Cytoplasm. Predominantly nuclear. Shuttles between the nucleus and the cytoplasm in a CRM1-dependent way.

## Images



Immunofluorescent analysis of PFA-fixed, Triton X-100 permeabilized MCF7 cells labeling ARS2 with ab220991 at 4 µg/ml (green).

Immunocytochemistry/ Immunofluorescence - Anti-ARS2 antibody - C-terminal (ab220991)



**All lanes :** Anti-ARS2 antibody - C-terminal (ab220991) at 1/100 dilution

**Lane 1 :** RT-4 cell lysate

**Lane 2 :** U-251 MG cell lysate

**Predicted band size:** 101 kDa

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

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