

### Anti-GARS antibody ab196496

3 Images

#### Overview

<b>Product name</b>	Anti-GARS antibody
<b>Description</b>	Rabbit polyclonal to GARS
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment within Human GARS (internal sequence). The exact sequence is proprietary. Database link: <a href="#">P41250</a>
<b>Positive control</b>	HT29 whole cell lysate ( <a href="#">ab3952</a> ) can be used as a positive control in WB. Jurkat, 293T, U87, Raji, M21, 22RV-1 cell lysates; mouse brain and spinal cord tissue 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>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p> <p>PBS is without Mg<sup>2+</sup> and Ca<sup>2+</sup></p>
<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 ab196496 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
ICC/IF		1/50 - 1/200.
WB		1/500 - 1/2000. Predicted molecular weight: 83 kDa.
IHC-P		1/50 - 1/200.

## Target

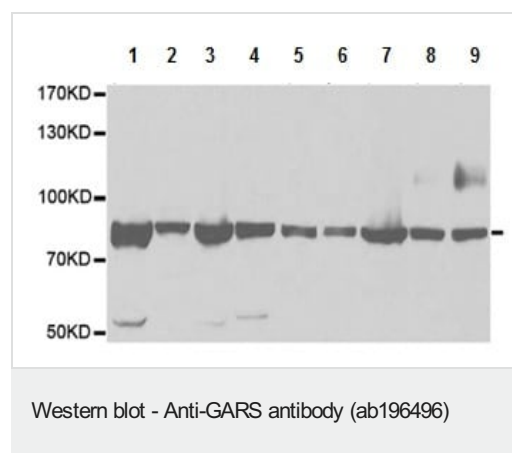
### Relevance

GARS synthetase catalyzes the ligation of glycine with glycyl-tRNA using ATP and its mutation induces Charcot-Marie-Tooth (CMT) disease.

### Cellular localization

Cytoplasm. Mitochondrion.

## Images



**All lanes :** Anti-GARS antibody (ab196496) at 1/500 dilution

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** 293T cell lysate

**Lane 3 :** U87 cell lysate

**Lane 4 :** Raji cell lysate

**Lane 5 :** M21 cell lysate

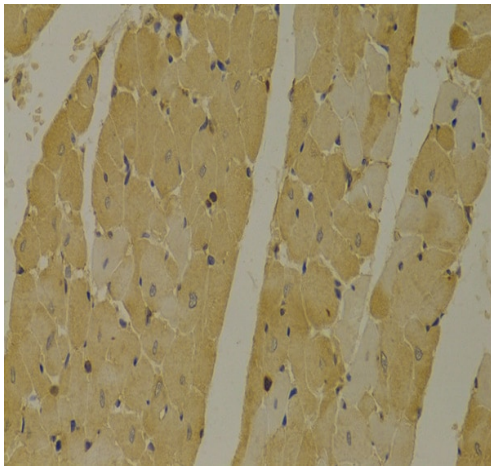
**Lane 6 :** 22RV-1 cell lysate

**Lane 7 :** HT29 cell lysate

**Lane 8 :** mouse brain tissue lysate

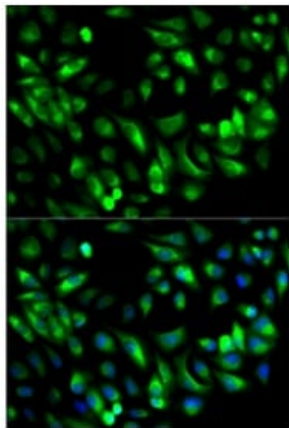
**Lane 9 :** mouse spinal cord tissue lysate

**Predicted band size:** 83 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat heart tissue labelling GARS with ab196496 at a dilution of 1/100.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GARS antibody (ab196496)



Immunofluorescent analysis of MCF7 cells labeling GARS using ab196496 at 1/50 dilution. Blue: DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-GARS antibody (ab196496)

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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