

Product datasheet

Anti-GARS antibody ab42905

★★★★☆ 3 Abreviews 13 References 2 Images

Overview

Product name	Anti-GARS antibody
Description	Rabbit polyclonal to GARS
Host species	Rabbit
Specificity	This antibody reacts specifically with 79kDa GARS protein.
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein (Human)
General notes	<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&As</p>

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.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab42905 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)	1/3000 - 1/10000.
WB	★★★★★ (1)	1/5000. Predicted molecular weight: 83 kDa.

Target

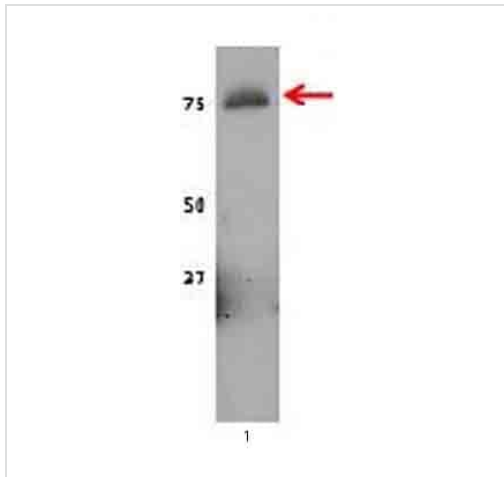
Relevance

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



Western blot - Anti-GARS antibody (ab42905)

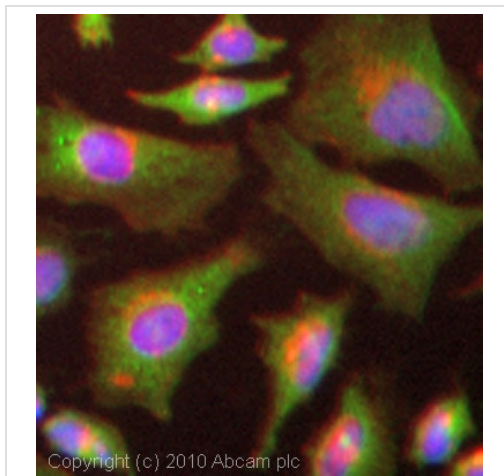
Anti-GARS antibody (ab42905) at 1/5000 dilution + whole cell lysate prepared from HEK293 cells at 50 µg/ml

Secondary

Goat anti-rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 83 kDa

Observed band size: 75 kDa



Immunocytochemistry/ Immunofluorescence - Anti-GARS antibody (ab42905)

ICC/IF image of ab42905 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab42905, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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