

Product datasheet

Anti-GARS antibody ab42905

★★★★☆ 3 Abreviews 5 References 3 图像

概述

产品名称	Anti-GARS抗体
描述	兔多克隆抗体to GARS
宿主	Rabbit
特异性	This antibody reacts specifically with 79kDa GARS protein.
经测试应用	适用于: ICC/IF, IP, WB, IHC-FoFr
种属反应性	与反应: Mouse, Human
免疫原	Recombinant full length protein (Human)
阳性对照	HEK293 cell lysate.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	Preservative: 0.05% Sodium azide Constituent: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

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.

应用	Ab评论	说明
ICC/IF	★★★★☆	1/3000 - 1/10000.
IP	★★★★★	1/3000 - 1/10000.

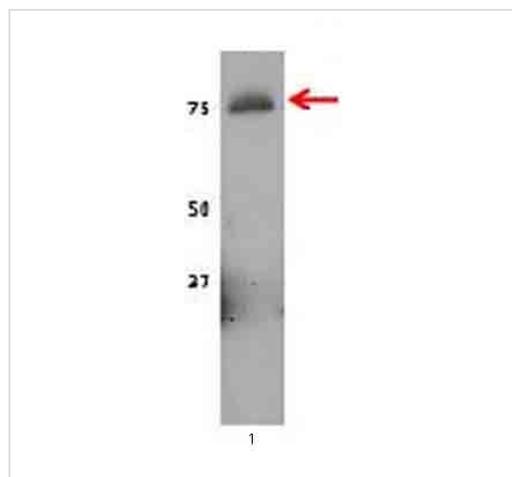
应用	Ab评论	说明
WB	★★★★★	1/5000. Predicted molecular weight: 83 kDa.
IHC-FoFr		Use at an assay dependent concentration. PubMed: 22144914

靶标

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

细胞定位 Cytoplasm. Mitochondrion.

图片



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

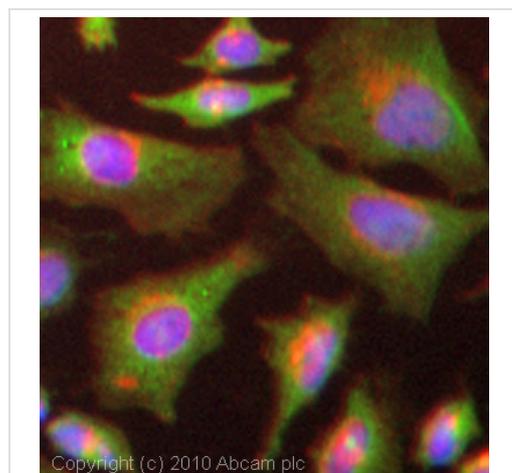
Secondary

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

Predicted band size: 83 kDa

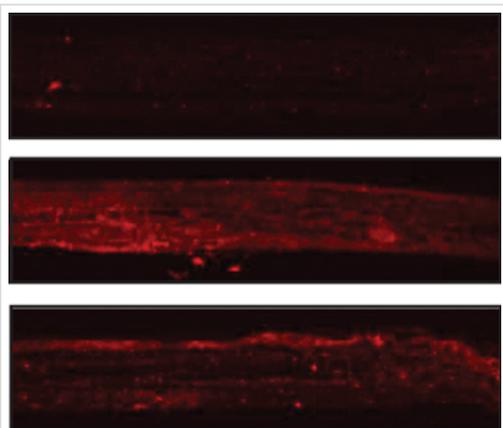
Observed band size: 75 kDa

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



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.



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-GARS antibody (ab42905)

Image from Mottley WW et al., PLoS Genet. 2011 Dec;7(12):e1002399. Epub 2011 Dec 1. Fig 1.; doi:10.1371/journal.pgen.1002399; December 1, 2011, PLoS Genet 7(12): e1002399.

ab42905 staining GARS in murine sciatic nerve tissue by Immunohistochemistry (PFA perfusion fixed frozen sections).

Tissue was fixed with paraformaldehyde and blocked with 5% goat serum in PBS with 0.5% Triton X-100 for 1 hour at room temperature. Samples were incubated with primary antibody (1/500 in diluent) overnight at 4°C. An AlexaFluor®555-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- 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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors