abcam

Product datasheet

Anti-GARS antibody [EPR7157] ab125008

Recombinant RabMAb

1 Abreviews   3 Images

Overview

Product name	Anti-GARS antibody [EPR7157]
Description	Rabbit monoclonal [EPR7157] to GARS
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P **Unsuitable for:** Flow Cyt,ICC/IF or IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide within Human GARS aa 700-800 (C terminal). The exact sequence is proprietary.
Positive control	Jurkat, HeLa, U87-MG, 293T, C6, RAW 264.7, and Neuro-2a cell lysates; Human colon tissue.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR7157

Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab125008 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		1/1000 - 1/10000. Detects a band of approximately 75 kDa (predicted molecular weight: 83 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

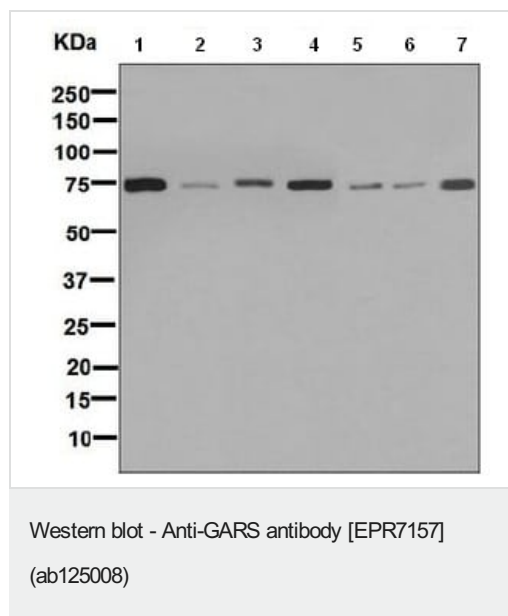| **Application notes**	Is unsuitable for Flow Cyt,ICC/IF or IP.

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 [EPR7157] (ab125008)

All lanes : Anti-GARS antibody [EPR7157] (ab125008) at 1/1000 dilution

Lane 1 : Jurkat cell lysate
Lane 2 : HeLa cell lysate
Lane 3 : U87-MG cell lysate
Lane 4 : 293T cell lysate
Lane 5 : C6 cell lysate
Lane 6 : RAW 264.7 cell lysate
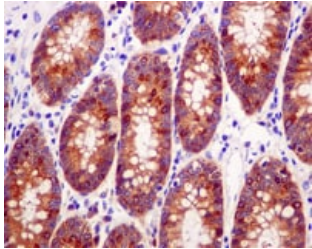**Lane 7 :** Neuro-2a cell lysate

Lysates/proteins at 10 μg per lane.

Secondary
All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 83 kDa
Observed band size: 75 kDa

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GARS antibody [EPR7157] (ab125008)

ab125008 at 1/50 staining GARS in paraffin embedded Human colon tissue by immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-GARS antibody [EPR7157] (ab125008)

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

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