

## (KO Validated) GARS Polyclonal Antibody

**catalog number: E-AB-60963**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

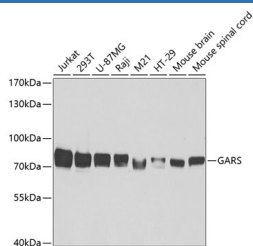
### Description

<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Recombinant fusion protein of human GARS (NP_002038.2).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:1000-1:4000
<b>IHC</b>	1:50-1:200
<b>IF</b>	1:50-1:200

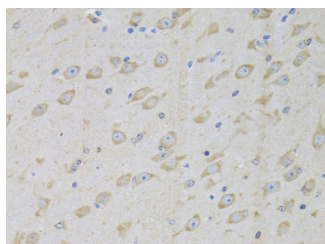
### Data



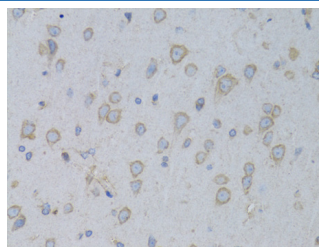
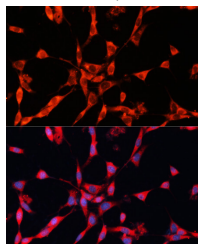
Western blot analysis of extracts of various cell lines using GARS Polyclonal Antibody at dilution of 1:5000.

**Observed-MW:83 kDa**

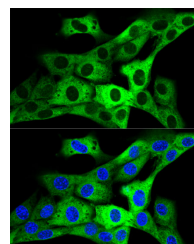
**Calculated-MW:83 kDa**



Immunohistochemistry of paraffin-embedded Mouse brain using GARS Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Rat brain using GARS Polyclonal Antibody at dilution of 1:100 (40x lens).



Confocal immunofluorescence analysis of NIH-3T3 cells using GARS Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

### For Research Use Only

Immunofluorescence analysis of NIH/3T3 cells using GARS

Polyclonal Antibody at dilution of 1:100. Blue: DAPI for  
nuclear staining.

## Preparation & Storage

**Storage**

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping**

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

## Background

This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha)<sub>2</sub> dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. Two transcript variants encoding different isoforms have been found for this gene.

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