

CAB5435

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

83kDa

### Calculated MW:

83kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:1000 - 1:4000 IHC  
1:50 - 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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.

## Immunogen information

### Gene ID:

2617

### Uniprot

P41250

### Synonyms:

GARS; CMT2D; DSMAV; GlyRS; HMN5; SMAD1

### Immunogen:

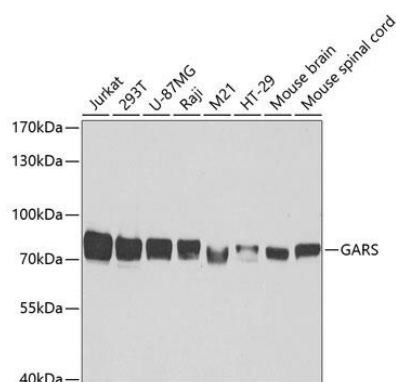
Recombinant fusion protein containing a sequence corresponding to amino acids 60-370 of human GARS (NP\_002038.2).

### Storage:

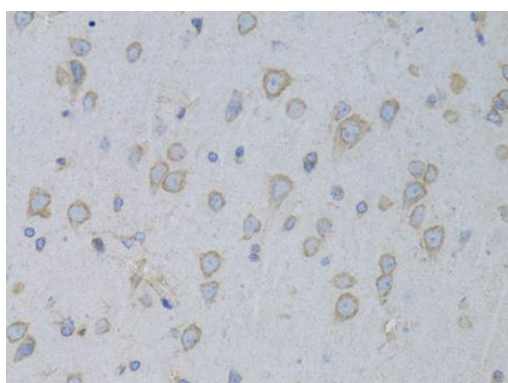
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

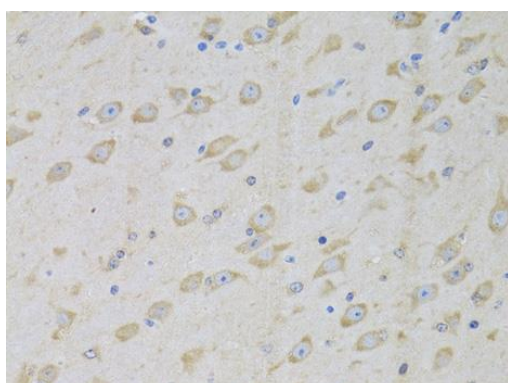
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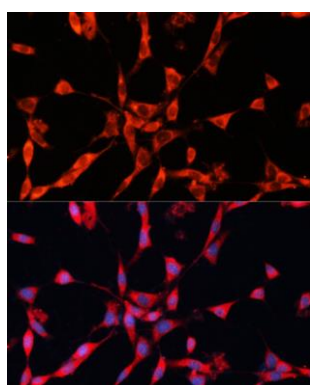
Western blot analysis of extracts of various cell lines, using GARS antibody (CAB5435) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 15s.



Immunohistochemistry of paraffin-embedded rat brain using GARS antibody (CAB5435) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using GARS antibody (CAB5435) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of NIH/3T3 cells using GARS antibody (CAB5435) at dilution of 1:100. Blue: DAPI for nuclear staining.