

## GARS

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:1000 - 1:4000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:**75kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human GARS

**Storage Buffer:**

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

**Concentration:**

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**Synonym:**

HMN5; CMT2D; DSMAV; GlyRS; SMAD1

**Catalog #:**A5435

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**2617

**Isotype:**IgG

**Swiss Prot:**P41250

**Purity:**Affinity purification

For research use only.

**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.

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