

## Anti-GARS Rabbit Monoclonal Antibody

### Introduction

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.

### Product parameters

|                    |   |
|--------------------|---|
| Alternative Names  | HMN5; CMT2D; DSMAV; GlyRS; SMAD1  |
| Gene ID            | 2617  |
| Gene Name          | GARS1   |
| SwissProt ID       | P41250  |
| Host               | Rabbit  |
| Reactivity         | Human, Mouse, Rat   |
| Molecular Weight   | Calculated MW: 83 kDa; Observed MW: 75 kDa  |
| Conjugation        | Unconjugated  |
| Ex                 | -   |
| Em                 | -   |
| Modification       | Unmodified  |
| Clonality          | IgG   |
| Isotype            | Monoclonal Antibody   |
| Clonality No.      | AP-12H1E11  |
| Form               | Liquid  |
| Concentration      | See label   |
| Carrier            | Carrier Free  |
| Immunogen          | A synthesized peptide derived from human GARS   |
| Purification       | Affinity Chromatography   |
| Buffer System      | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Application        | WB, IHC-P   |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100  |
| Research Field     | Epigenetics and Nuclear Signaling   |
| Product Categories | Primary antibody  |

|                 |                                  |
|-----------------|----------------------------------|
| Shipping        | Blue ice                         |
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol



Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



**APExBIO Technology**

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