

Anti-GARS1 Antibody Picoband® Biotin Conjugated

Catalog Number: A04618-2-Biotin

About GARS1

Glycine-tRNA ligase also known as glycyl-tRNA synthetase is an enzyme that in humans is encoded by the GARS1 gene. 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)₂ 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.

Overview

Product Name	Anti-GARS1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P41250

Technical Details

Immunogen	E.coli-derived human GARS1 recombinant protein (Position: E61-D673). Human GARS1 shares 95.3% and 95.4% amino acid (aa) sequence identity with mouse and rat GARS1, respectively.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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