

Product Name: GARS Rabbit Monoclonal Antibody**Catalog #: AMRe83808**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.55mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:2000,IHC 1:100-1:200
Molecular Weight	Calculated MW: 83 kDa ; Observed MW: 75 kDa

Antigen Information

Gene Name	GARS
Alternative Names	HMN5; CMT2D; DSMAV; GlyRS; SMAD1;;GARS1
Gene ID	
SwissProt ID	P41250
Immunogen	A synthesized peptide derived from human GARS1

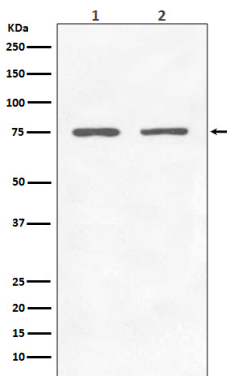
Background

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)₂ dimer which belongs to the class II family of tRNA synthetases. It has been

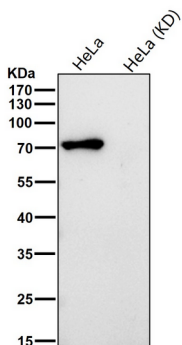
shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis.

Research Area

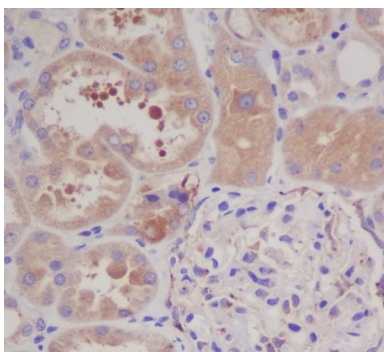
Image Data



Western blot analysis of GARS expression in (1) Jurkat cell lysate; (2) 293T cell lysate.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human kidney, using GARS Antibody.