

Product datasheet for **TA332685S**

GARS1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, IHC, WB
Recommended Dilution:	WB,1:500 - 1:1000 IHC-P,1:100 - 1:500 IF/ICC,1:50 - 1:200 ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83kDa
Gene Name:	glycyl-tRNA synthetase
Database Link:	NP_002038 Entrez Gene 297113 Rat Entrez Gene 353172 Mouse Entrez Gene 2617 Human P41250

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. Two transcript variants encoding different isoforms have been found for this gene.

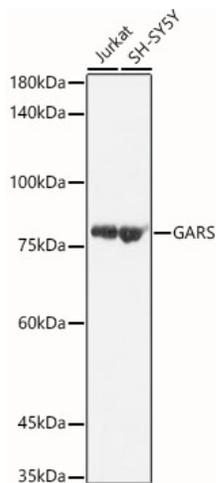


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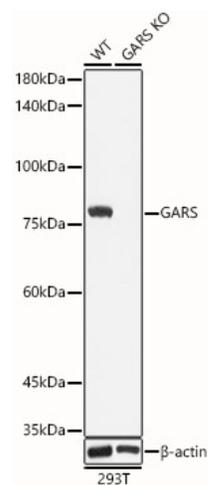
Synonyms: CMT2D; DSMAV; GlyRS; HMN5; SMAD1

Protein Pathways: Aminoacyl-tRNA biosynthesis

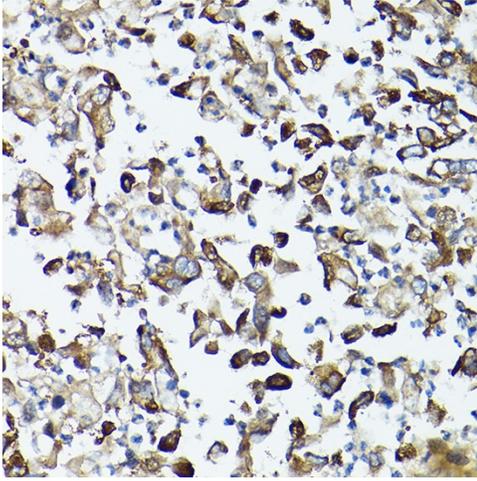
Product images:



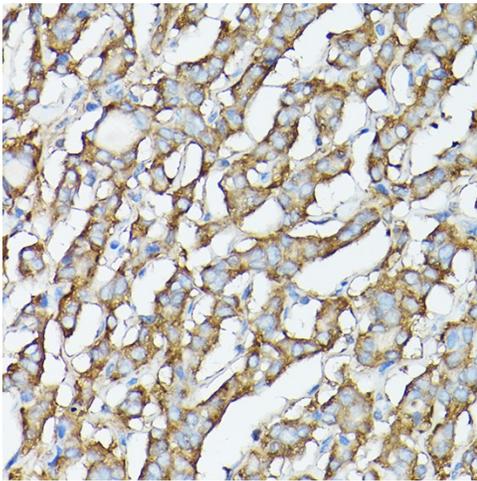
Western blot analysis of various lysates



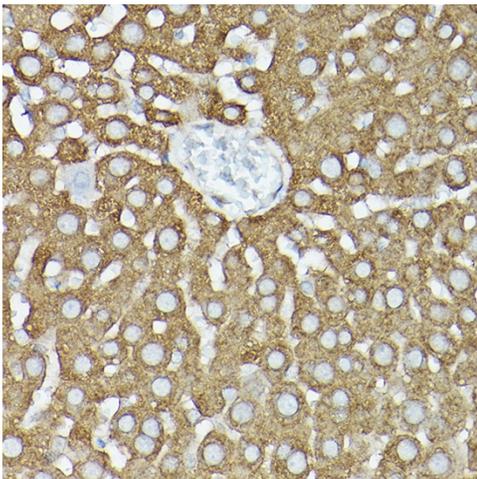
Western blot analysis of lysates from wild type(WT) and GARS knockout (KO) 293T cells



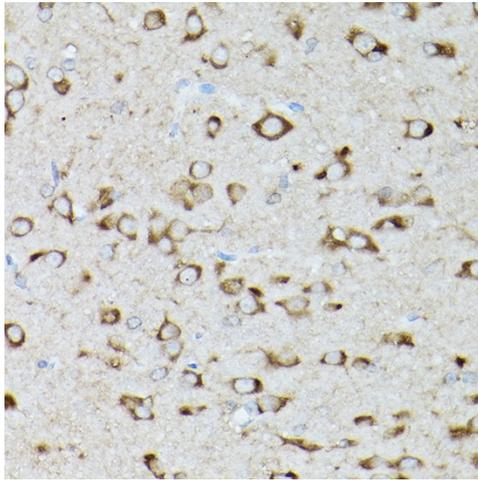
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using GARS Rabbit pAb ([TA332685]) at dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



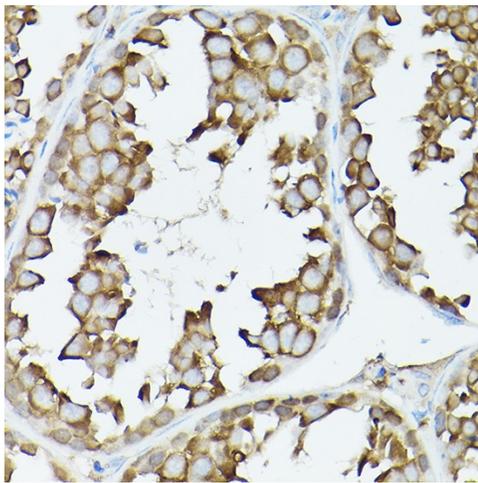
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using GARS Rabbit pAb ([TA332685]) at dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



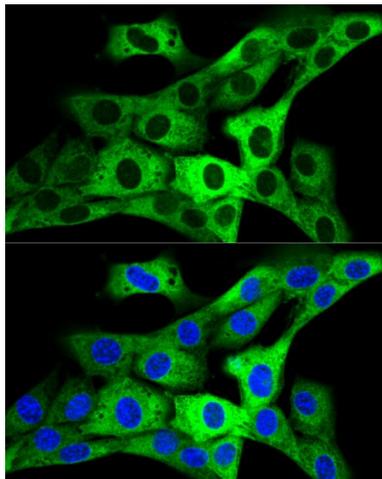
Immunohistochemistry analysis of paraffin-embedded Mouse liver using GARS Rabbit pAb ([TA332685]) at dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using GARS Rabbit pAb ([TA332685]) at dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis using GARS Rabbit pAb ([TA332685]) at dilution of 1:300 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Confocal immunofluorescence analysis of NIH-3T3 cells using [KO Validated] GARS Rabbit pAb ([TA332685]) at dilution of 1:200. Blue: DAPI for nuclear staining.