

Product datasheet for **TA332685**

GARS1 Rabbit Polyclonal Antibody

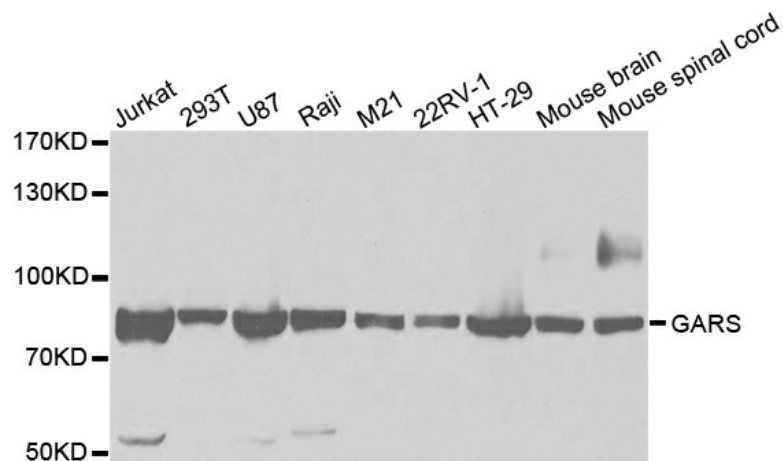
Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human GARS
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 as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	739
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.
Synonyms:	CMT2D; DSMAV; GlyRS; HMN5; SMAD1
Protein Pathways:	Aminoacyl-tRNA biosynthesis

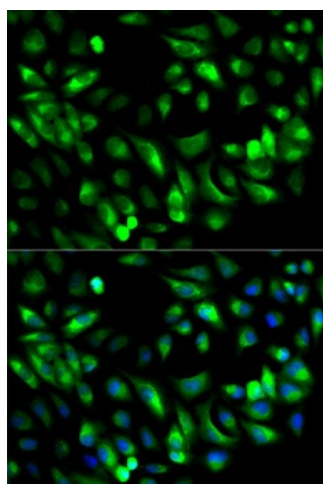


[View online »](#)

Product images:



Western blot analysis of extracts of various cell lines, using GARS antibody.



Immunofluorescence analysis of MCF-7 cell using GARS antibody. Blue: DAPI for nuclear staining.