

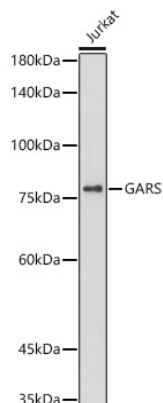


Product name:	GARS Rabbit Monoclonal Antibody
Cat number:	MAB0651
Conjugate:	Unconjugated
Host:	Rabbit
Size:	100 ug
Synonyms:	GARS; HMN5; CMT2D; DSMAV; GlyRS; HMN5A; SMAD1; SMAJI; RS
Clone:	ARC0514
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	Synthetic peptide. This information is considered to be commercially sensitive.
Reactivity:	Human
Applications:	WB 1:500 - 1:1000 ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Molecular Weight:	83kDa
Purification:	Affinity purification
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.
Form:	liquid
Buffer:	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

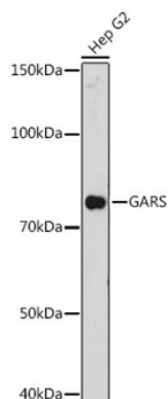
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Western blot analysis of lysates from Jurkat cells, using [KO Validated] GARS Rabbit mAb at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 180s.



Western blot analysis of various lysates, using [KO Validated] GARS Rabbit mAb at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 180s.

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