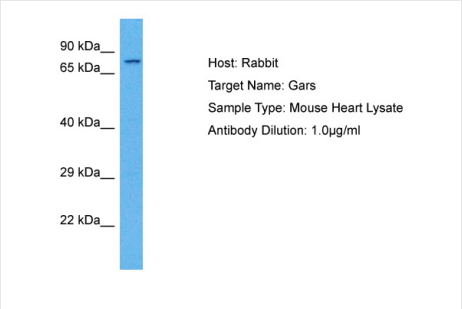
GARS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GARS, Polyclonal Antibody
Full Product Name	GARS Antibody-C-terminal region
Product Gene Name	anti-GARS antibody
Product Synonym Names	glycine--tRNA ligase; Nmf249; Sgrp23; GENA202; Gena201
Immunogen Sequence	ELSEALTRNG VSHKVDDSSG SIGRRYARTD EIGVAFGITI DFDTVNKTPH
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Concentration	Batch dependent within range: 100ul at 0.5-1mg/ml (lot specific)
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	GARS peptide (MBS3249375) is used for blocking the activity of GARS antibody (MBS3249701)
Molecular Weight	80kDa
3D Structure	ModBase 3D Structure for Q9CZD3
Protein Size	729 amino acids
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of mouse GARS
Applications Tested/Suitable for anti-GARS antibody	Western Blot (WB)
Related Product Information for anti-GARS antibody	Description of Target: Catalyzes the ligation of glycine to the 3'-end of its cognate tRNA. Is also able produce diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs (By similarity).
Other Notes	Small volumes of anti-GARS antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GARS purchase	MBS3249701 is an antibody targeting GARS. Also known as GARS Antibody-C-terminal region. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-GARS antibody
Host: RabbitTarget Name: GARSSample Tissue: Mouse Heart lysatesAntibody Dilution: 1ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GARS. It may not necessarily be applicable to this product.

NCBI GeneID	353172
NCBI Accession #	NM_180678.3
UniProt Primary Accession #	Q9CZD3
UniProt Related Accession #	NP_851009.2
UniProt Protein Name	Glycine--tRNA ligase
UniProt Synonym Protein Names	Diadenosine tetraphosphate synthetase; AP-4-A synthetase; Glycyl-tRNA synthetase; GlyRS
Protein Family	Glycine--tRNA ligase
UniProt Gene Name	Gars
UniProt Synonym Gene Names	AP-4-A synthetase; GlyRS
UniProt Entry Name	SYG_MOUSE
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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