

ARG57697 anti-GARS antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GARS
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GARS
Species	Human
Immunogen	Recombinant protein of Human GARS.
Conjugation	Un-conjugated
Alternate Names	DSMAV; HMN5; Glycine--tRNA ligase; Glycyl-tRNA synthetase; SMAD1; CMT2D; EC 6.1.1.14; Diadenosine tetraphosphate synthetase; GlyRS; AP-4-A synthetase

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:1000 - 1:4000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U87	
Observed Size	~ 83 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

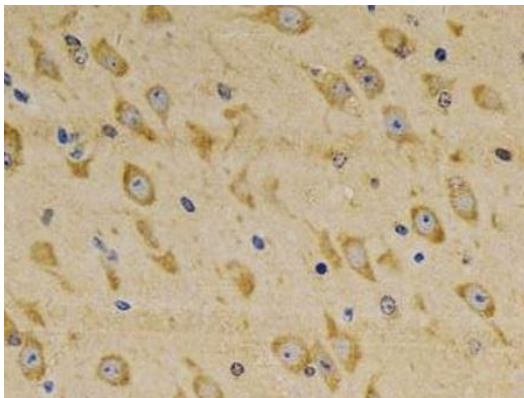
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

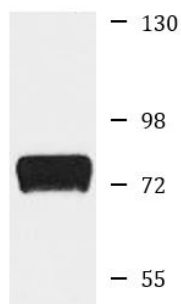
Gene Symbol	GARS
Gene Full Name	glycyl-tRNA synthetase
Background	This gene encodes glycyl-tRNA synthetase, one of the aminoacyl-tRNA synthetases that charge tRNAs with their cognate amino acids. The encoded enzyme is an (alpha) ₂ dimer which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis. [provided by RefSeq, Jul 2008]
Function	Catalyzes the attachment of glycine to tRNA(Gly). Is also able produce diadenosine tetraphosphate (Ap ₄ A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs. [UniProt]
Calculated Mw	83 kDa
Cellular Localization	Cell projection, Cytoplasm, Mitochondrion, axon. [UniProt]

Images



ARG57697 anti-GARS antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG57697 anti-GARS antibody at 1:100 dilution.



ARG57697 anti-GARS antibody WB image

Western blot: 25 µg of U87 cell lysate stained with ARG57697 anti-GARS antibody at 1:5000 dilution.

U87