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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58758_P050-Biotin
Product Page	www.avivasysbio.com/gars-antibody-middle-region-biotin-arp58758-p050-biotin.html
Name	GARS Antibody - middle region : Biotin (ARP58758_P050-Biotin)
Protein Size (# AA)	739 amino acids
Molecular Weight	83kDa
Conjugation	Biotin
NCBI Gene Id	2617
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glycyl-tRNA synthetase
Alias Symbols	GARS, HMN5, CMT2D, DSMAV, GlyRS, HMN5A, SMAD1, SMAJI
Peptide Sequence	Synthetic peptide located within the following region: IEPSFGLGRIMYTVFEHITFHVREGDEQRITFFSFPVAVVAPFKCSVLPLSQN
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Forster,C., (2008) Biochem. Biophys. Res. Commun. 368 (4), 1002-1006
Description of Target	GARS catalyzes the attachment of glycine to tRNA(Gly). Is also able produce diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Protein Interactions	UBC; STAU1; NEDD8; DCP2; TNRC6B; CAND1; GORASP2; CORO1C; BOP1; GANAB; XPO7; HSPA4L; VAT1; SEC23A; TOM1; KHSRP; HIRIP3; HIST1H4A; USP11; ZYX; UGDH; TTC1; TROVE2; SNX1; SHMT1; PPM1G; OSBP; NCBP1; ME1; GTF2A1; GFPT1; CTTN; CTNNA1; CARS; APEH; MAPK8; MAP3K10;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-GARS (ARP58758_P050-Biotin) antibody
Blocking Peptide	For anti-GARS (ARP58758_P050-Biotin) antibody is Catalog # AAP58758 (Previous Catalog # AAPP38525)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human GARS
Uniprot ID	P41250
Protein Name	Glycine--tRNA ligase
Protein Accession #	NP_002038
Purification	Affinity Purified
Nucleotide Accession #	NM_002047
Gene Symbol	GARS
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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