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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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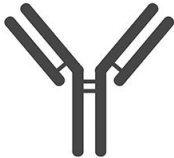
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|------------------------------|--|
| Product Number | ARP58758_P050-FITC |
| Product Page | www.avivasysbio.com/gars-antibody-middle-region-fitc-arp58758-p050-fitc.html |
| Name | GARS Antibody - middle region : FITC (ARP58758_P050-FITC) |
| Protein Size (# AA) | 739 amino acids |
| Molecular Weight | 83kDa |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| 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: IEPSFGLGRIMYTVFEHIFHVREGDEQRITFFSFPVAVVAPFKCSVLPLSQN |
| 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-FITC) antibody |
| Blocking Peptide | For anti-GARS (ARP58758_P050-FITC) 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.

AVIVA SYSTEMS BIOLOGY
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