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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56628_P050-FITC
Product Page	www.avivasysbio.com/qars-antibody-n-terminal-region-fitc-arp56628-p050-fitc.html
Name	QARS Antibody - N-terminal region : FITC (ARP56628_P050-FITC)
Protein Size (# AA)	775 amino acids
Molecular Weight	88kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	5859
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Glutaminyl-tRNA synthetase
Alias Symbols	QARS, GLNRS, MSCCA, PRO2195
Peptide Sequence	Synthetic peptide located within the following region: DQTLSLMEQLRGEALKFHKPGENYKTPGYVVPHTMNLKQHLEITGGQV
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. In metazoans, 9 aminoacyl-tRNA synthetases specific for glutamine (gln), glutamic acid (glu), and 7 other amino acids are associated within a multienzyme complex. Although present in eukaryotes, glutaminyl-tRNA synthetase (QARS) is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln). Glutaminyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family.
Protein Interactions	TCF12; AES; KLC3; DTX2; LZTS2; VPS37B; HUWE1; TRAF4; TRIP13; SUMO2; STAU1; UBC; SUMO1; NEDD8; RNF2; EIF2B3; IQGAP1; AIMP2; VARS; TUBB2A; RPLP0; RPL27A; RPL27; RPL23A; RPL19; RPL15; RPL13; RPL10; RPL7A; RFC4; RARS; PTBP1; PSMC6; NMT1; MRE11A; MARS; IARS; D
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-QARS (ARP56628_P050-FITC) antibody
Blocking Peptide	For anti-QARS (ARP56628_P050-FITC) antibody is Catalog# AAP56628 (Previous Catalog # AAPP39333)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human QARS
Uniprot ID	P47897
Protein Name	Glutamine--tRNA ligase
Protein Accession #	NP_005042
Purification	Affinity Purified
Nucleotide Accession #	NM_005051
Gene Symbol	QARS
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 93%

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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