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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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| | |
|----------------------------|---|
| Product Number | ARP58550_P050-FITC |
| Product Page | www.avivasysbio.com/wars-antibody-n-terminal-region-fitc-arp58550-p050-fitc.html |
| Name | WARS Antibody - N-terminal region : FITC (ARP58550_P050-FITC) |
| Protein Size (# AA) | 471 amino acids |
| Molecular Weight | 52kDa |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| NCBI Gene Id | 7453 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | Tryptophanyl-tRNA synthetase |
| Alias Symbols | HMN9, WARS, IFI53, IFP53, GAMMA-2 |
| Peptide Sequence | Synthetic peptide located within the following region: EIDSAVKMLVSLKMSYKAAAGEDYKADCPPGNPAPTSNHGPDATEAEEDF |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Shen,N., (2008) Nucleic Acids Res. 36 (4), 1288-1299 |
| 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. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to the class I tRNA synthetase family. 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. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to the class I tRNA synthetase family. Four transcript variants encoding two different isoforms have been found for this gene. |
| Protein Interactions | UBC; SUMO2; CDC34; CALU; ADSL; AARS; CTPS2; HERC4; NT5C2; FKBP9; EHD1; GNPDA1; GTF3C4; USP5; XPNPEP1; RAD23A; TWF1; PCNA; NUCB1; KTN1; GTF2I; CD81; LIG4; TRIM25; GART; APP; ISG15; TERF1; SIRT7; PSMA3; DNMT3B; DCAF13; DDA1; GBAS; CDK2AP2; MDH2; EEF1A1; |
| 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-WARS (ARP58550_P050-FITC) antibody |
| Blocking Peptide | For anti-WARS (ARP58550_P050-FITC) antibody is Catalog# AAP58550 (Previous Catalog# AAPP34832) |
| Immunogen | The immunogen is a synthetic peptide directed towards the N terminal region of human WARS |
| Uniprot ID | P23381 |
| Protein Name | Tryptophan--tRNA ligase, cytoplasmic |
| Protein Accession # | NP_004175 |
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_004184 |

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|---|---|
| Gene Symbol | WARS |
| Predicted Species Reactivity | Human |
| Application | WB |
| Predicted Homology Based on Immunogen Sequence | Human: 100% |
| 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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