



# SZABO SCANDIC

Part of Europa Biosite

## 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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Product Number	ARP58550_P050-Biotin
Product Page	<a href="http://www.avivasysbio.com/wars-antibody-n-terminal-region-biotin-arp58550-p050-biotin.html">www.avivasysbio.com/wars-antibody-n-terminal-region-biotin-arp58550-p050-biotin.html</a>
Name	WARS Antibody - N-terminal region : Biotin (ARP58550_P050-Biotin)
Protein Size (# AA)	471 amino acids
Molecular Weight	52kDa
Conjugation	Biotin
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: <a href="#">EIDSAVKMLVSLKMSYKAAAGEDYKADCPPGNPAPTSNHGPDATEAEEDF</a>
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 <a href="#">anti-WARS (ARP58550_P050-Biotin) antibody</a>
Blocking Peptide	For anti-WARS (ARP58550_P050-Biotin) antibody is <a href="#">Catalog# AAP58550</a> (Previous Catalog# AAPP34832)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human WARS
Uniprot ID	<a href="#">P23381</a>
Protein Name	Tryptophan--tRNA ligase, cytoplasmic
Protein Accession #	<a href="#">NP_004175</a>
Purification	Affinity Purified

<b>Nucleotide Accession #</b>	<a href="#">NM_004184</a>
<b>Gene Symbol</b>	<a href="#">WARS</a>
<b>Predicted Species Reactivity</b>	Human
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Human: 100%
<b>Image 1</b>	

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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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