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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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	ARP54954_P050-Biotin
Product Page	www.avivasysbio.com/iars-antibody-middle-region-biotin-arp54954-p050-biotin.html
Name	IARS Antibody - middle region : Biotin (ARP54954_P050-Biotin)
Protein Size (# AA)	1262 amino acids
Molecular Weight	144kDa
Conjugation	Biotin
NCBI Gene Id	3376
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Isoleucyl-tRNA synthetase
Alias Symbols	IRS, IARS, ILRS, ILERS, GRIDHH, PRO0785
Peptide Sequence	Synthetic peptide located within the following region: YEA AKVFLGRSRK LK LFLNETQ TQEITEDIPVK TLNMK TVYVS VLPPTAD
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. Isoleucine-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family and has been identified as a target of autoantibodies in the autoimmune disease polymyositis/dermatomyositis. Two alternatively spliced variants have been isolated that represent alternate 5' UTRs.
Protein Interactions	UBC; MDM2; SART3; AURKA; SUMO2; SUMO3; STAU1; LGR4; AIMP2; RPLP0; RPL38; RPL24; RPL23A; RPL18; RPL15; QARS; NMT1; MARS; MAP4; HNRNPA2B1; EPRS; DARS; AIMP1; HNRNPUL2; LARS; RPS27L; IGF2BP3; SYNCRIP; EEF1E1; FBXO6; EGFR; UBD; ITGA4; FN1; METTL18; gag; VCAM1
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-IARS (ARP54954_P050-Biotin) antibody
Blocking Peptide	For anti-IARS (ARP54954_P050-Biotin) antibody is Catalog# AAP54954 (Previous Catalog# AAPP41603)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IARS
Uniprot ID	P41252
Protein Name	Isoleucine--tRNA ligase, cytoplasmic
Protein Accession #	NP_038203
Purification	Affinity Purified
Nucleotide Accession #	NM_013417
Gene Symbol	IARS
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 85%; Dog: 85%; Guinea Pig: 93%; Horse: 85%; Human: 100%; Mouse: 100%; Rabbit: 92%; Rat: 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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