



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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

| | |
|--|--|
| Product Number | ARP54954_P050-FITC |
| Product Page | www.avivasysbio.com/iars-antibody-middle-region-fitc-arp54954-p050-fitc.html |
| Name | IARS Antibody - middle region : FITC (ARP54954_P050-FITC) |
| Protein Size (# AA) | 1262 amino acids |
| Molecular Weight | 144kDa |
| Conjugation | FITC: Fluorescein Isothiocyanate |
| 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: YEAAKVFGLRSRKLKLFLENETQEQEITEDIPVKTLNMKTVYVSVLPTAD |
| 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-FITC) antibody |
| Blocking Peptide | For anti-IARS (ARP54954_P050-FITC) 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.

AVIVA SYSTEMS BIOLOGY

6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com