

Rabbit anti-Human IARS Polyclonal Antibody | anti-IARS antibody

Rabbit anti-IARS Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212906	Rabbit	Human	Immunoprecipitation, Western Blot

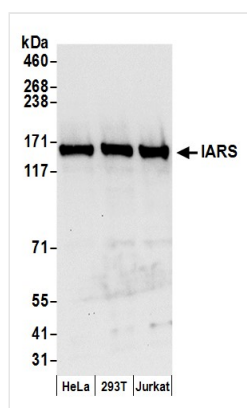
PRODUCT SYNONYMS

IARS; Polyclonal Antibody; Rabbit anti-IARS Antibody; Affinity Purified; isoleucine tRNA ligase 1; cytoplasmic; Isoleucyl-tRNA synthetase; PRO0785; isoleucine--tRNA ligase; IRS; ILRS; ILERS; GRIDHH; IARS1; Isoleucine--tRNA ligase; isoleucyl-tRNA synthetase; anti-IARS antibody

PRODUCT SPECIFICATIONS

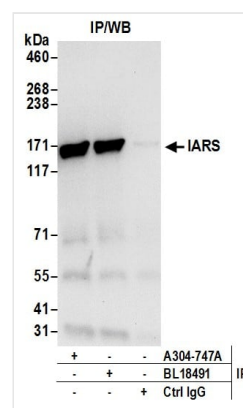
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-IARS antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human IARS by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-IARS antibody AAA212906 (lot AAA212906-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human IARS by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from 293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-IARS antibody AAA212906 (lot AAA212906-1) used for IP at 6 ug per reaction. IARS was also immunoprecipitated by rabbit anti-IARS antibody BL18491. For blotting immunoprecipitated IARS, AAA212906 was used at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-IARS antibody	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 (IARS) belongs to the class-I aminoacyl-tRNA synthetase family and has been identified as a target of autoantibodies in the autoimmune disease polymyositis/dermatomyositis [taken from NCBI Entrez Gene (Gene ID: 3376)].
Product Categories/Family for anti-IARS antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721241
NCBI GeneID	3376
NCBI Accession #	NP_002152.2
NCBI GenBank Nucleotide #	NM_002161.5
UniProt Accession #	P41252; Q5TCD0; Q7Z3T4; Q9H588; A8KAE9
Molecular Weight	144,498 Da
NCBI Official Full Name	isoleucine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	isoleucyl-tRNA synthetase
NCBI Official Symbol	IARS
NCBI Official Synonym Symbols	IRS; ILRS; IARS1; ILERS; GRIDHH; PRO0785
NCBI Protein Information	isoleucine--tRNA ligase, cytoplasmic
UniProt Protein Name	Isoleucine--tRNA ligase, cytoplasmic
UniProt Gene Name	IARS
UniProt Synonym Gene Names	IRS; IleRS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/iars-antibody-immunoprecipitation-western-blot-elisa/212906>