

Rabbit anti-Human IARS2 Polyclonal Antibody | anti-IARS2 antibody

Rabbit anti-IARS2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213366	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

IARS2; Polyclonal Antibody; Rabbit anti-IARS2 Antibody; Affinity Purified; ILERS; mitochondrial isoleucine tRNA synthetase; isoleucyl-tRNA synthetase; mitochondrial; Isoleucyl-tRNA synthetase; isoleucine-tRNA synthetase 2; isoleucine tRNA ligase 2; CAGSSS; isoleucine--tRNA ligase; Isoleucine--tRNA ligase; isoleucyl-tRNA synthetase 2; anti-IARS2 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-IARS2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 962 and C-terminus
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 IARS2 by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-IARS2 antibody (AAA213366 lot 1) used for WB at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)

Detection of human IARS2 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-IARS2 antibody (AAA213366 lot 1) used for IP at 2 ug per reaction. IARS2 was also immunoprecipitated by rabbit anti-IARS2 antibody BL22461. For blotting immunoprecipitated IARS2, AAA213366 was used at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-IARS2 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. Two forms of isoleucine-tRNA synthetase exist, a cytoplasmic form and a mitochondrial form. IARS2 is the mitochondrial isoleucine-tRNA synthetase which belongs to the class-I aminoacyl-tRNA synthetase family [taken from NCBI Entrez Gene (Gene ID: 55699)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	46852147
NCBI GeneID	55699
NCBI Accession #	NP_060530.3
NCBI GenBank Nucleotide #	NM_018060.3
UniProt Accession #	Q9NSE4; Q1M2P9; Q6PI85; Q7L439; Q86WU9; Q96D91; Q9H9Q8; Q9NW42; B2RPG8
Molecular Weight	113,792 Da
NCBI Official Full Name	isoleucine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	isoleucyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	IARS2
NCBI Official Synonym Symbols	ILERS
NCBI Protein Information	isoleucine--tRNA ligase, mitochondrial; isoleucine tRNA ligase 2, mitochondrial; isoleucyl-tRNA synthetase, mitochondrial; mitochondrial isoleucine tRNA synthetase; isoleucine-tRNA synthetase 2, mitochondrial
UniProt Protein Name	Isoleucine--tRNA ligase, mitochondrial
UniProt Gene Name	IARS2
UniProt Synonym Gene Names	IleRS
UniProt Entry Name	SYIM_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iars2-antibody-immunoprecipitation-western-blot-elisa/213366>