

Rabbit IARS2 Polyclonal Antibody | anti-IARS2 antibody

IARS2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324142	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

IARS2; Polyclonal Antibody; IARS2 Antibody; 2010002H18Rik; C79125; EC 6.1.1.5; FLJ10326; Iars2; IleRS; isoleucine tRNA ligase 2; mitochondrial; isoleucine tRNA ligase; isoleucine tRNA synthetase 2; Isoleucine--tRNA ligase; isoleucine-tRNA synthetase 2; isoleucyl tRNA synthetase 2; Isoleucyl-tRNA synthetase; MGC63429; mitochondrial isoleucine tRNA synthetase; rCG_20084; RGD1311857; SYIM_HUMAN; anti-IARS2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IARS2 antibody detects endogenous levels of total IARS2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1012
Applicable Applications for anti-IARS2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (90%), Bovine (90%), Horse (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA324142 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from HepG2, mouse brain, using IARS2 Antibody.



IF (Immunofluorescence)

AAA324142 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells using IARS2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IARS2 antibody	Function: ATP + L-isoleucine + tRNA(Ile) = AMP + diphosphate + L-isoleucyl-tRNA(Ile). Similarity: Belongs to the class-I aminoacyl-tRNA synthetase family.
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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	Observed: 114 kD Predicted: 114 kDa
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; CAGSSS
NCBI Protein Information	isoleucine--tRNA ligase, mitochondrial
UniProt Protein Name	Isoleucine--tRNA ligase, mitochondrial
UniProt Gene Name	IARS2
UniProt Synonym Gene Names	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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iars2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324142>