

Rabbit IARS Polyclonal Antibody | anti-IARS antibody

IARS antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200448	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

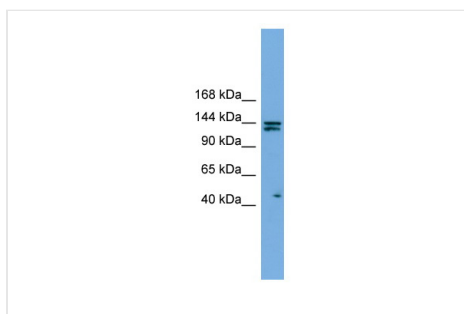
PRODUCT SYNONYMS

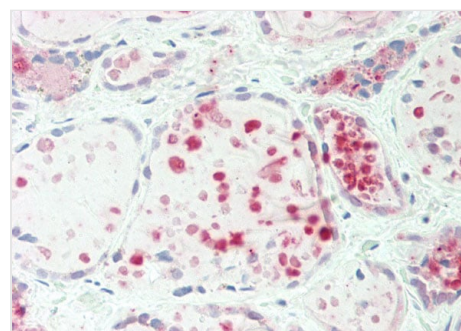
IARS; Polyclonal Antibody; IARS antibody - middle region; anti-IARS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: YE AAKVFGLRSR KLKFLNETQ TQEITEDIPV KTLNMTKVYV SVLPPTAD
Sequence Length	1262
Applicable Applications for anti-IARS antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 85%; Guinea Pig: 93%; Horse: 85%; Human: 100%; Mouse: 100%; Rabbit: 92%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IARS
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-IARS Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: HepG2 cell lysate

IHC (Immunohistochemistry)

Rabbit Anti-IARS antibody
Formalin Fixed Paraffin Embedded Tissue: Human Thyroid
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-IARS antibody	This is a rabbit polyclonal antibody against IARS. It was validated on Western Blot Target Description: 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.
Product Categories/Family for anti-IARS antibody	Polyclonal; Chromatin & Nuclear Signaling; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	94721239
NCBI GeneID	3376
NCBI Accession #	NP_038203
NCBI GenBank Nucleotide #	NM_013417
UniProt Accession #	P41252
Molecular Weight	144kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/iars-antibody-western-blot-elisa/200448>