

IARS rabbit monoclonal antibody

Catalog # H00003376-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human IARS peptide using ARM Technology.
Immunogen	A synthetic peptide of human IARS is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human IARS peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — IARS

Entrez GeneID	3376
GeneBank Accession#	IARS
Gene Name	IARS
Gene Alias	FLJ20736, IARS1, ILRS, PRO0785
Gene Description	isoleucyl-tRNA synthetase
Omim ID	600709
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	isoleucine tRNA ligase 1, cytoplasmic isoleucine-tRNA synthetase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Valine](#)

Disease

- [Tobacco Use Disorder](#)