

## ARG59815 anti-IARS / Isoleucyl tRNA synthetase antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes IARS / Isoleucyl tRNA synthetase
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IARS / Isoleucyl tRNA synthetase
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1158-1262 of Human IARS (NP_002152.2).
Conjugation	Un-conjugated
Alternate Names	ILERS; IARS1; EC 6.1.1.5; IleRS; IRS; ILRS; Isoleucyl-tRNA synthetase; Isoleucine--tRNA ligase, cytoplasmic; PRO0785

### Application Instructions

Application table	Application	Dilution
	WB	1:200 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat, HL-60 and HepG2	
Observed Size	160 kDa	

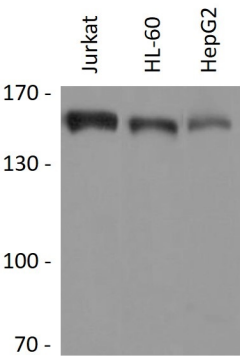
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IARS
Gene Full Name	isoleucyl-tRNA synthetase
Background	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. Alternatively spliced transcript variants have been found. [provided by RefSeq, Nov 2012]
Calculated Mw	144 kDa
Cellular Localization	Cytoplasm. Cytoplasm, cytosol. [UniProt]

Images



ARG59815 anti-IARS / Isoleucyl tRNA synthetase antibody WB image

Western blot: 25 µg of Jurkat, HL-60 and HepG2 cell lysates stained with ARG59815 anti-IARS / Isoleucyl tRNA synthetase antibody at 1:1000 dilution.