

## ARG67108 anti-IARS2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes IARS2
Tested Reactivity	Hu, Ms, Mk
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IARS2
Species	Human
Immunogen	Human IARS2 Synthesized peptide
Conjugation	Un-conjugated
Alternate Names	IARS2; Isoleucyl-TRNA Synthetase 2, Mitochondrial; Isoleucine TRNA Ligase 2, Mitochondrial; Isoleucine--TRNA Ligase, Mitochondrial; EC 6.1.1.5; FLJ10326; Isoleucine-TRNA Synthetase 2, Mitochondrial; Isoleucyl-TRNA Synthetase, Mitochondrial; Mitochondrial Isoleucine TRNA Synthetase; Isoleucyl-TRNA Synthetase; EC 6.1.1; CAGSSS; ILERS; IleRS

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200-1:1000
	IHC-P	1:100-1:300
	WB	1:500-2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

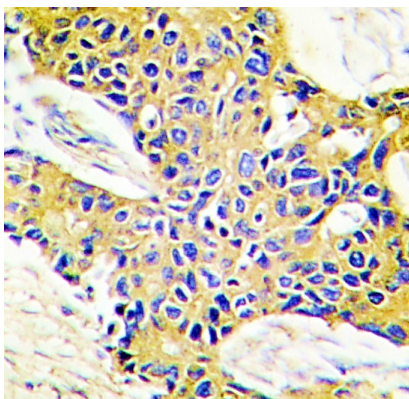
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
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.

## Bioinformation

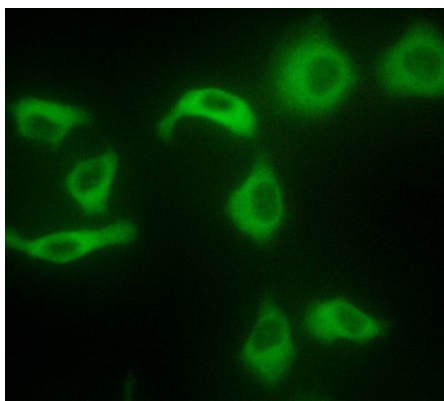
Gene Symbol	IARS2
Gene Full Name	Isoleucyl-tRNA Synthetase 2, Mitochondrial
Background	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Two forms of isoleucine-tRNA synthetase exist, a cytoplasmic form and a mitochondrial form. This gene encodes the mitochondrial isoleucine-tRNA synthetase which belongs to the class-I aminoacyl-tRNA synthetase family.
Function	Aminoacyl-tRNA synthetase that catalyzes the specific attachment of isoleucine to its cognate tRNA (tRNA(Ile)).
Calculated Mw	114 kDa
PTM	Acetylation
Cellular Localization	Mitochondrion

## Images



ARG67108 anti-IARS2 antibody IHC-P image

Immunohistochemistry: Human breast carcinoma stained with ARG67108 anti-IARS2 antibody.

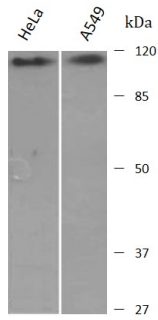


ARG67108 anti-IARS2 antibody ICC/IF image

Immunofluorescence: HepG2 stained with ARG67108 anti-IARS2 antibody.

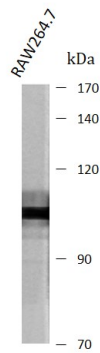
#### ARG67108 anti-IARS2 antibody WB image

Western blot: HeLa and A549 stained with ARG67108 anti-IARS2 antibody at 1:2000 dilution.



#### ARG67108 anti-IARS2 antibody WB image

Western blot: RAW264.7 stained with ARG67108 anti-IARS2 antibody at 1:2000 dilution.



#### ARG67108 anti-IARS2 antibody WB image

Western blot: COS7 stained with ARG67108 anti-IARS2 antibody at 1:2000 dilution.

