



IARS2 Monoclonal Antibody

Catalog No	YP-mAb-01821
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IARS2
Immunogen	The antiserum was produced against synthesized peptide derived from human IARS2. AA range:71-120
Specificity	IARS2 Monoclonal Antibody detects endogenous levels of IARS2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:6.1.1.5;IleRS;Isoleucine tRNA ligase;Isoleucine--tRNA ligase;mitochondrial;Isoleucyl-tRNA synthetase;IARS2;Isoleucine--tRNA ligase mitochondrial
Observed Band	114kD
Calculated Molecular Weight	114kD
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	Brain,Epithelium,Liver,Placenta,Skin,
Function	catalytic activity:ATP + L-isoleucine + tRNA(Ile) = AMP + diphosphate + L-isoleucyl-tRNA(Ile).,similarity:Belongs to the class-I aminoacyl-tRNA synthetase family.,
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. [provided by RefSeq, Dec 2014]



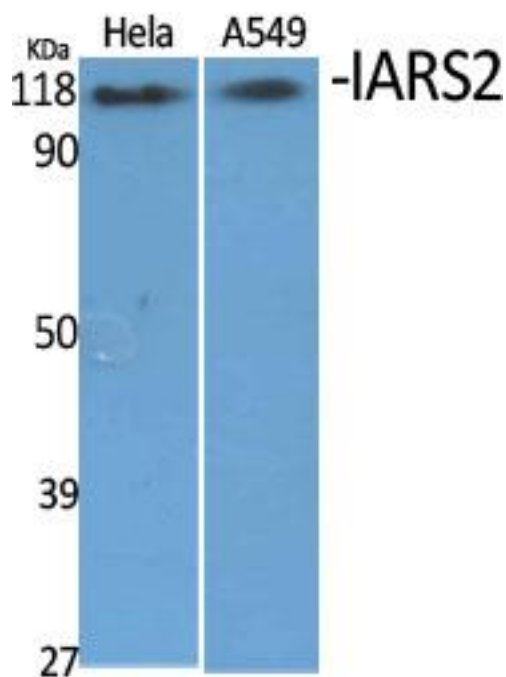
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using IARS2 Monoclonal Antibody