

产品名称: IARS2 Rabbit Polyclonal Antibody
产品货号: APRab12325



产品概述 (Summary)

产品名称 (Production Name)	IARS2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	IARS2
别名 (Alternative Names)	IARS2; Isoleucine--tRNA ligase; mitochondrial; Isoleucyl-tRNA synthetase; IleRS
基因 ID (Gene ID)	55699.0
蛋白 ID (SwissProt ID)	Q9NSE4.The antiserum was produced against synthesized peptide derived from human IARS2. AA range:71-120

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	114kDa

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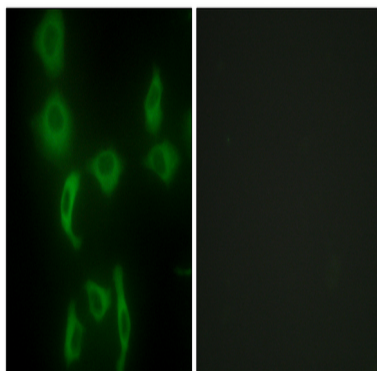
研究背景 (Background)

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], catalytic activity: $\text{ATP} + \text{L-isoleucine} + \text{tRNA(Ile)} = \text{AMP} + \text{diphosphate} + \text{L-isoleucyl-tRNA(Ile)}$, similarity: Belongs to the class-I aminoacyl-tRNA synthetase family.,

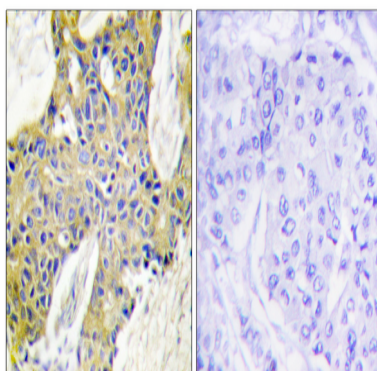
研究领域 (Research Area)

Valine; leucine and isoleucine biosynthesis; Aminoacyl-tRNA biosynthesis;

图片 (Image Data)

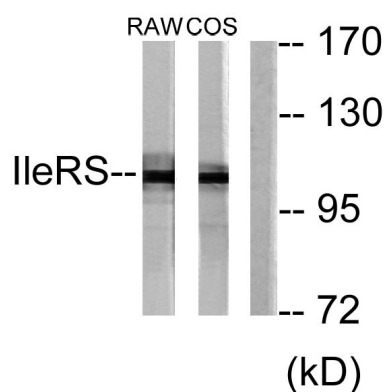


Immunofluorescence analysis of HepG2 cells, using IARS2 Antibody. The picture on the right is blocked with the synthesized peptide.

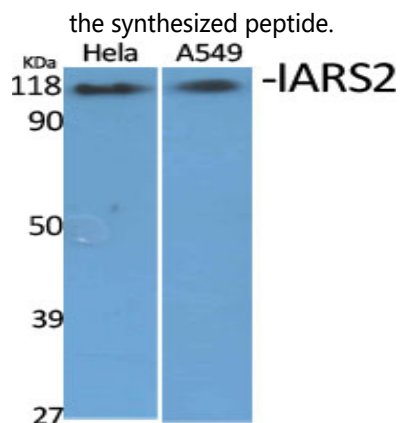


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using IARS2 Antibody. The picture on the right is blocked with the synthesized peptide.

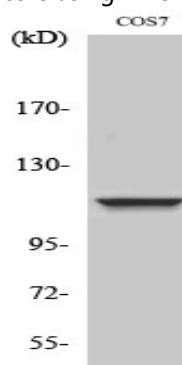
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Western blot analysis of lysates from RAW264.7 and COS7 cells, using IARS2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using IARS2 Polyclonal Antibody diluted at 1: 2000



Western Blot analysis of NIH-3T3 cells using IARS2 Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .