

产品名称: HisRS Rabbit Polyclonal Antibody
产品货号: AP Rab12040



产品概述 (Summary)

产品名称 (Production Name)	HisRS 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

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)	HARS
别名 (Alternative Names)	HARS; HRS; Histidine--tRNA ligase; cytoplasmic; Histidyl-tRNA synthetase; HisRS
基因 ID (Gene ID)	3035.0
蛋白 ID (SwissProt ID)	P12081.The antiserum was produced against synthesized peptide derived from human HARS. AA range:460-509

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)	60kDa

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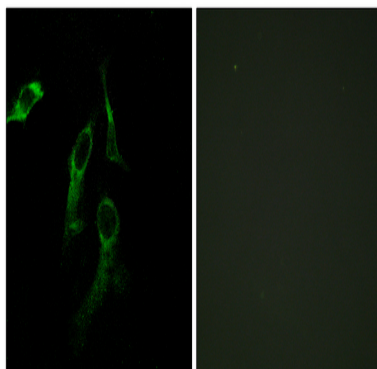
研究背景 (Background)

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012], catalytic activity: $\text{ATP} + \text{L-histidine} + \text{tRNA(His)} = \text{AMP} + \text{diphosphate} + \text{L-histidyl-tRNA(His)}$, similarity: Belongs to the class-II aminoacyl-tRNA synthetase family, similarity: Contains 1 WHEP-TRS domain, tissue specificity: Brain, heart, liver and kidney.,

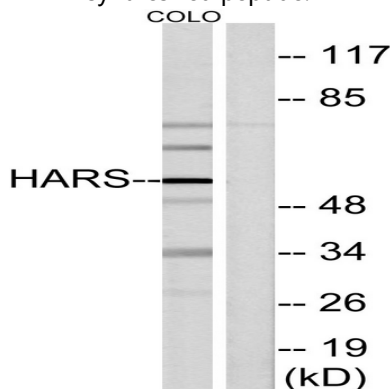
研究领域 (Research Area)

Aminoacyl-tRNA biosynthesis;

图片 (Image Data)

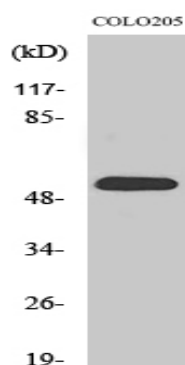


Immunofluorescence analysis of HepG2 and HeLa cells, using HARS Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using HARS Antibody. The lane on the right is blocked with the synthesized peptide.

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

注意事项 (Note)

For research use only .