

产品名称: MRP-S16 Rabbit Polyclonal Antibody
产品货号: APRab14141



产品概述 (Summary)

产品名称 (Production Name)	MRP-S16 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)	MRPS16
别名 (Alternative Names)	MRPS16; RPMS16; CGI-132; 28S ribosomal protein S16; mitochondrial; MRP-S16; S16mt
基因 ID (Gene ID)	51021.0
蛋白 ID (SwissProt ID)	Q9Y3D3.The antiserum was produced against synthesized peptide derived from human MRPS16. AA range:81-130

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	15kDa

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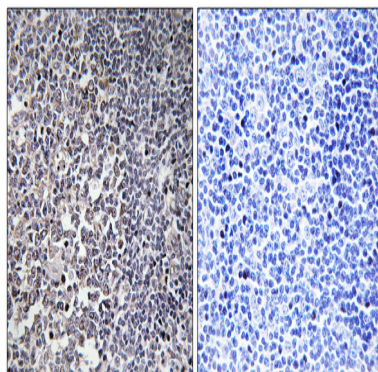


研究背景 (Background)

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S16P family. The encoded protein is one of the most highly conserved ribosomal proteins between mammalian and yeast mitochondria. Three pseudogenes (located at 8q21.3, 20p13.3, 20p13.3) are the cause of combined oxidative phosphorylation deficiency type 2 (COXPD2) [MIM:610498]. Defects in the mitochondrial oxidative phosphorylation system result in devastating, mainly multisystem, diseases. COXPD2 symptoms include fatal neonatal metabolic acidosis with agenesis of the corpus callosum. Similarity: Belongs to the ribosomal protein S16P family. Subunit: Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.

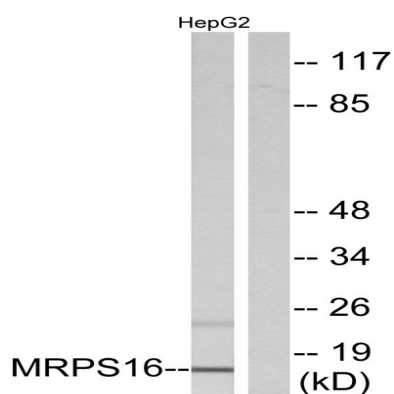
研究领域 (Research Area)

图片 (Image Data)

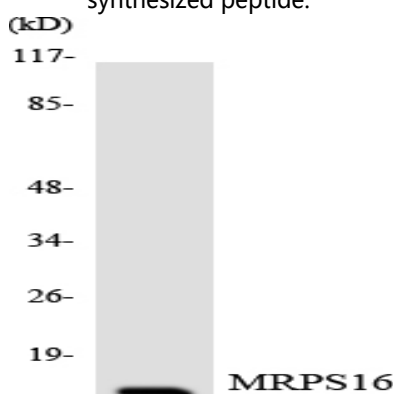


Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using MRPS16 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HepG2 cells, using MRPS16 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using MRPS16 antibody.

注意事项 (Note)

For research use only .