

产品名称: MRP-L41 Rabbit Polyclonal Antibody
产品货号: AP Rab14129



产品概述 (Summary)

产品名称 (Production Name)	MRP-L41 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,Rat

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)	MRPL41 MRPL41; BMRP; MRPL27; RPML27; PIG3; 39S ribosomal protein L41; mitochondrial; L41mt; MRP-L41; 39S ribosomal protein L27 homolog; Bcl-2-interacting mitochondrial ribosomal protein L41; Cell proliferation-inducing gene 3 protein; MRP-L27 homo
别名 (Alternative Names)	
基因 ID (Gene ID)	64975.0
蛋白 ID (SwissProt ID)	Q8IXM3.The antiserum was produced against synthesized peptide derived from human MRPL41. 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
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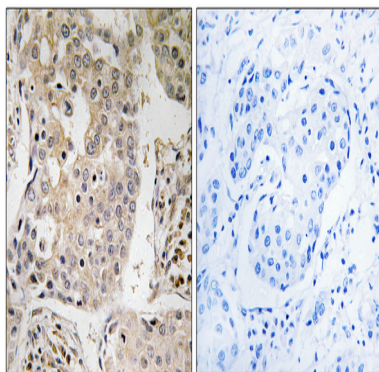
蛋白分子量 (Molecular Weight) 21kDa

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 39S subunit protein that belongs to the YmL27 ribosomal protein family. [provided by RefSeq, Jul 2008],function:Component of the mitochondrial ribosome large subunit. Also involved in apoptosis and cell cycle. Enhances TP53/p53 stability, thereby contributing to TP53/p53-induced apoptosis in response to growth-inhibitory condition. Enhances TP53/p53 translocation to the mitochondria. Has the ability to arrest the cell cycle at the G1 phase, possibly by stabilizing the CDKN1A and CDKN1B (p27Kip1) proteins.,similarity:Belongs to the ribosomal protein L41 family.,subunit:Component of the mitochondrial ribosome large subunit (39S) which comprises a 16S rRNA and about 50 distinct proteins. Interacts with BCL2.,tissue specificity:Present in kidney, liver, thymus and testis, and at lower level in brain and spleen (at protein level),

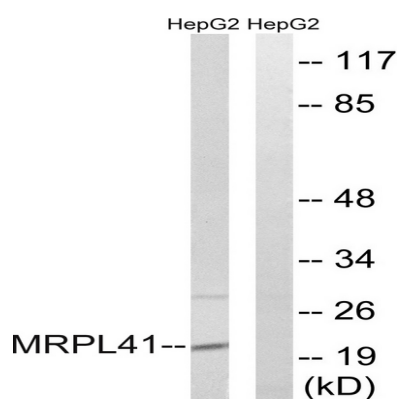
研究领域 (Research Area)

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using MRPL41 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 MRPL41 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MRP-L41 Polyclonal Antibody

注意事项 (Note)

For research use only .