

产品名称: MRP-S12 Rabbit Polyclonal Antibody
产品货号: APRab14140



产品概述 (Summary)

产品名称 (Production Name)	MRP-S12 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
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)	MRPS12
别名 (Alternative Names)	MRPS12; RPMS12; RPSM12; 28S ribosomal protein S12; mitochondrial; MRP-S12; S12mt; MT-RPS12
基因 ID (Gene ID)	6183.0
蛋白 ID (SwissProt ID)	O15235.The antiserum was produced against synthesized peptide derived from human MRPS12. AA range:21-70

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
蛋白分子量 (Molecular Weight)	20kDa

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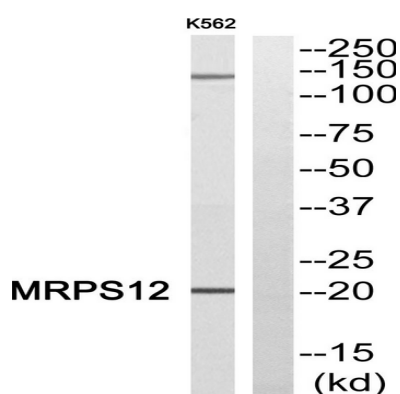


研究背景 (Background)

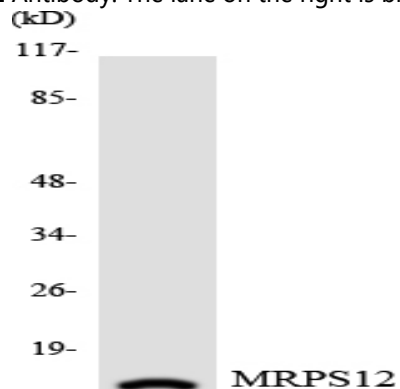
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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 S12P family. The encoded protein is a key component of the ribosomal small subunit and controls the decoding fidelity and susceptibility to aminoglycoside antibiotics. This similarity: Belongs to the ribosomal protein S12P 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)

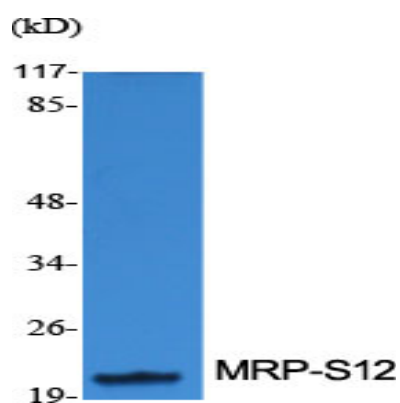


Western blot analysis of MRPS12 Antibody. The lane on the right is blocked with the MRPS12 peptide.

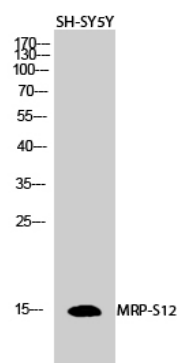


Western blot analysis of the lysates from HepG2 cells using MRPS12 antibody.

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Western Blot analysis of various cells using MRP-S12 Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of SH-SY5Y cells using MRP-S12 Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .