

MRP-L39 Polyclonal Antibody

Catalog No :	YT2860
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	MRP-L39
Gene Name :	MRPL39
Protein Name :	39S ribosomal protein L39 mitochondrial
Human Gene Id :	54148
Human Swiss Prot No :	Q9NYK5
Mouse Swiss Prot No :	Q9JKF7
Immunogen :	The antiserum was produced against synthesized peptide derived from human MRPL39. AA range:289-338
Specificity :	MRP-L39 Polyclonal Antibody detects endogenous levels of MRP-L39 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	39kD

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. Two transcript variants encoding distinct isoforms have been described. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq, Jul 2008],

Function :

caution:It is uncertain whether Met-1 or Met-6 is the initiator.,caution:Ref.1 indicates C21orf8 as a synonym for this orf, this is incorrect, C21orf8 is already assigned to another chromosome 21 region.,similarity:To the N-terminal of threonyl-tRNA synthetases.,tissue specificity:Ubiquitous (isoform 1); heart-specific (isoform 2).,

Subcellular Location :

Mitochondrion .

Expression :

Isoform 1 is ubiquitously expressed. Isoform 2 is heart-specific.

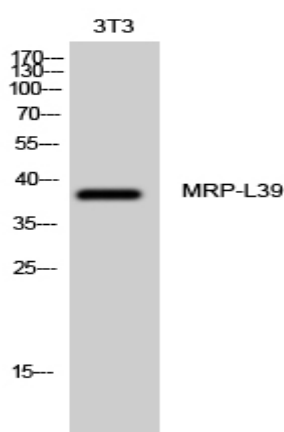
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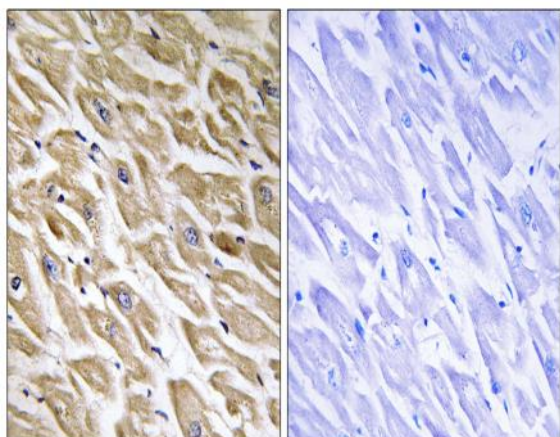
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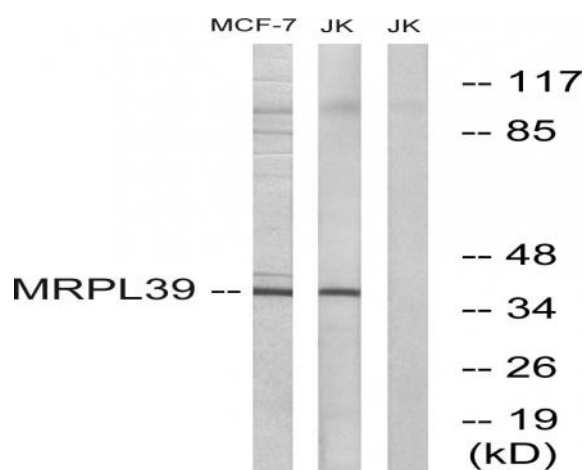
Products Images



Western Blot analysis of 3T3 cells using MRP-L39 Polyclonal Antibody diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MRPL39 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat and MCF-7 cells, using MRPL39 Antibody. The lane on the right is blocked with the synthesized peptide.