



MRP-L54 Polyclonal Antibody

Catalog No	YP-Ab-04002
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	MRPL54
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL54. AA range:81-130
Specificity	MRP-L54 Polyclonal Antibody detects endogenous levels of MRP-L54 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	39S ribosomal protein L54;39S ribosomal protein L54 mitochondrial;39S ribosomal protein L54 mitochondrial precursor;L54mt;mitochondrial;mitochondrial ribosomal protein L54;MRP L54;MRP-L54;MRPL54;RM54_HUMAN
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Skin,
Function	
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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

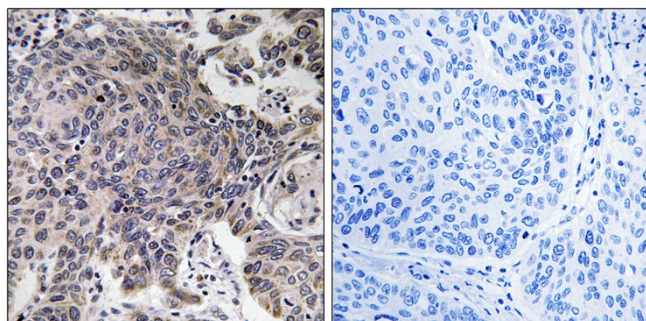
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



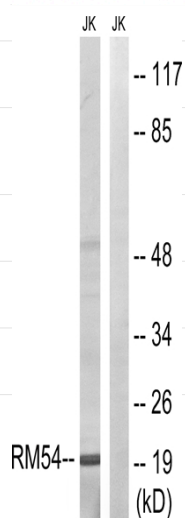
Products Images



Western Blot analysis of various cells using MRP-L54 Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using MRPL54 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using MRPL54 Antibody. The lane on the right is blocked with the synthesized peptide.



(kD)

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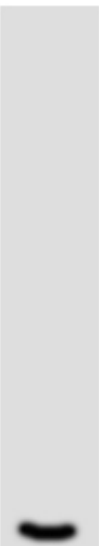
85-

48-

34-

26-

19-



MRPL54

Western blot analysis of the lysates from HT-29 cells using MRPL54 antibody.