



MRP-L50 Polyclonal Antibody

Catalog No	YP-Ab-03999
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	MRPL50
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL50. AA range:109-158
Specificity	MRP-L50 Polyclonal Antibody detects endogenous levels of MRP-L50 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 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	L50mt;MRP L50;MRPL50;MRP-L50;39S ribosomal protein L50 mitochondrial; 39S ribosomal protein L50;mitochondrial
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Carcinoma,Epithelium,Hepatoma,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 putative 39S subunit



protein and belongs to the L47P ribosomal protein family. Pseudogenes corresponding to this gene are found on chromosomes 2p, 2q, 5p, and 10q. [provided by RefSeq, Jul 2008],

matters needing attention

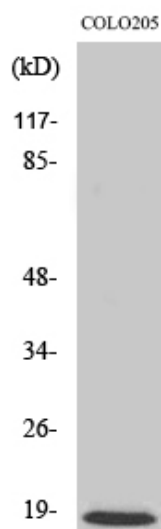
Avoid repeated freezing and thawing!

Usage suggestions

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

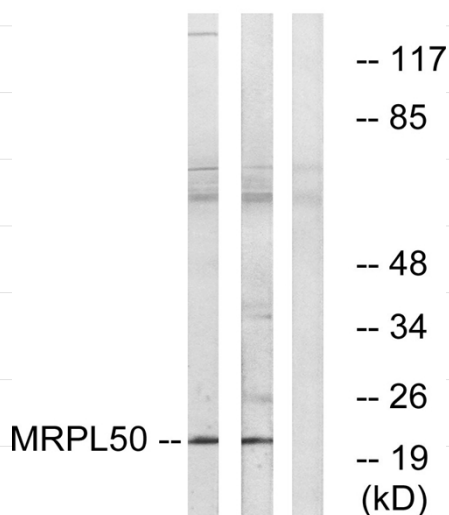


Products Images

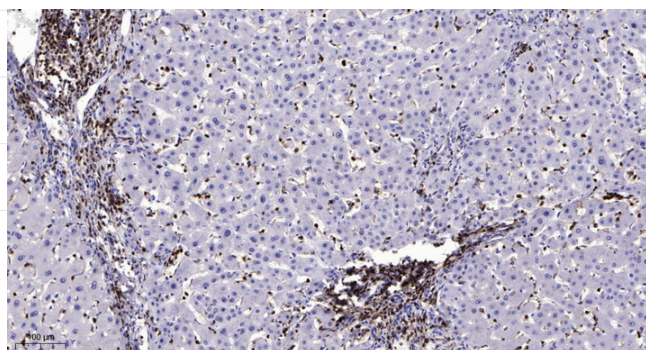


Western Blot analysis of various cells using MRP-L50 Polyclonal Antibody

COLO 205 HT-29 COLO 205



Western blot analysis of lysates from COLO and HT-29 cells, using MRPL50 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).