



MRP-L51 Polyclonal Antibody

Catalog No	YP-Ab-04000
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	MRPL51
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL51. AA range:51-100
Specificity	MRP-L51 Polyclonal Antibody detects endogenous levels of MRP-L51 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: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	39S ribosomal protein L51;39S ribosomal protein L51 mitochondrial;bMRP-64;bMRP64;CDA9;HSPC241;L51mt;mitochondrial;mitochondrial ribosomal protein 64;mitochondrial ribosomal protein bMRP64;mitochondrial ribosomal protein L51;MRP-L51;MRP64;mrpl51;RM51_HUMAN;CDA09
Observed Band	20kD
Calculated Molecular Weight	20kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Eye,Pheochromocytoma,Testis,Umbilical cord blood,
Function	subunit:Component of the mitochondrial ribosome large subunit (39S) which comprises a 16S rRNA and about 50 distinct proteins.,
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. Pseudogenes corresponding to this gene are found on chromosomes 4p and 21q. [provided by RefSeq, Jul 2008],

matters needing attention

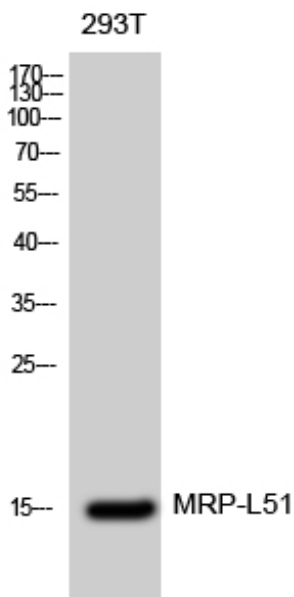
Avoid repeated freezing and thawing!

Usage suggestions

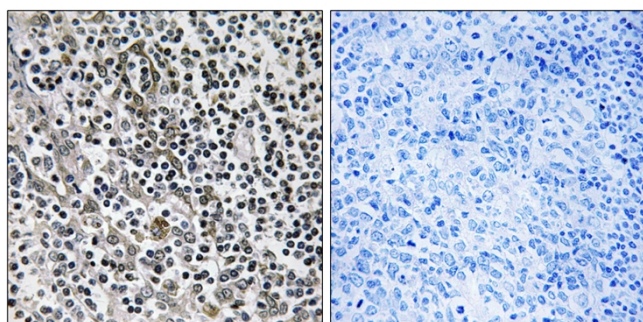
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



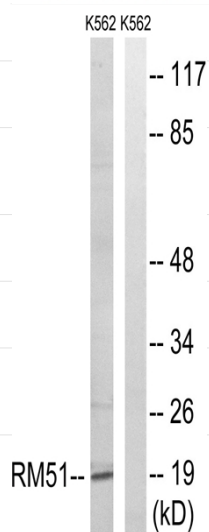
Products Images



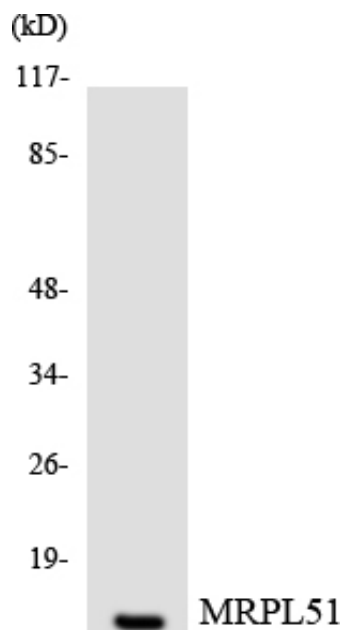
Western Blot analysis of 293T cells using MRP-L51 Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using MRPL51 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from K562 cells, using MRPL51 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using MRPL51 antibody.