



MRP-L49 Polyclonal Antibody

Catalog No	YP-Ab-03998
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	MRPL49
Immunogen	Synthesized peptide derived from MRP-L49 . at AA range: 10-90
Specificity	MRP-L49 Polyclonal Antibody detects endogenous levels of MRP-L49 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	C11orf4;Large ribosomal subunit protein mL49;MRP-L49;NOF;NOF1;MRPL49;39S ribosomal protein L49 mitochondrial;OK/SW-cl.67;39S ribosomal protein L49;mitochondrial;L49mt;Neighbor of FAU;Protein NOF1
Observed Band	19kD
Calculated Molecular Weight	19kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Ubiquitous.
Function	similarity:Belongs to the ribosomal protein L49em family.,tissue specificity:Ubiquitous.,
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. Pseudogenes corresponding to this gene are found on chromosomes 5q and 8p. [provided by RefSeq, May 2011],

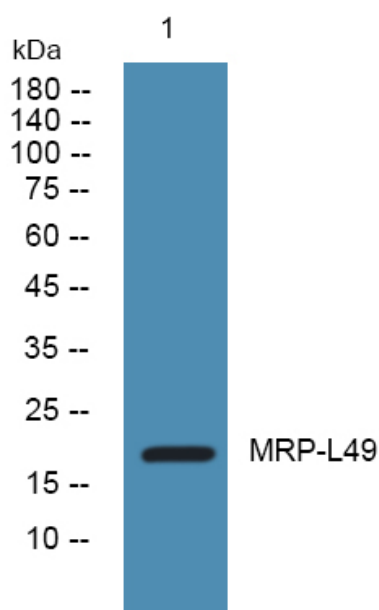
matters needing attention

Avoid repeated freezing and thawing!

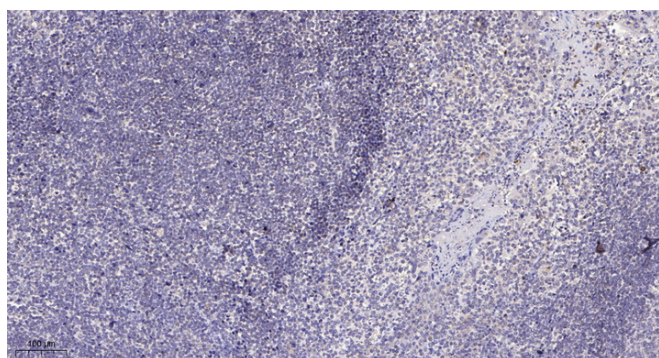
Usage suggestions

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

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 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, 30min).