



MRP-L47 Polyclonal Antibody

Catalog No	YP-Ab-03996
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	MRPL47
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL47. AA range:191-240
Specificity	MRP-L47 Polyclonal Antibody detects endogenous levels of MRP-L47 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
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CGI 204;L47mt;MRP L47;MRPL47;NCM1;MRP-L47;39S ribosomal protein L47 mitochondrial;CGI-204;39S ribosomal protein L47;mitochondrial; Nasopharyngeal carcinoma metastasis-related protein 1
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Lymph,
Function	sequence caution:Chimeric cDNA. Seems to include a portion of the orthologous murine sequence.,similarity:Belongs to the ribosomal protein L47em family.,
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. This gene is immediately adjacent to the gene for BAF complex 53 kDa subunit protein a (BAF53a), in a tail-to-tail orientation. Two transcript variants encoding different protein isoforms have been identified

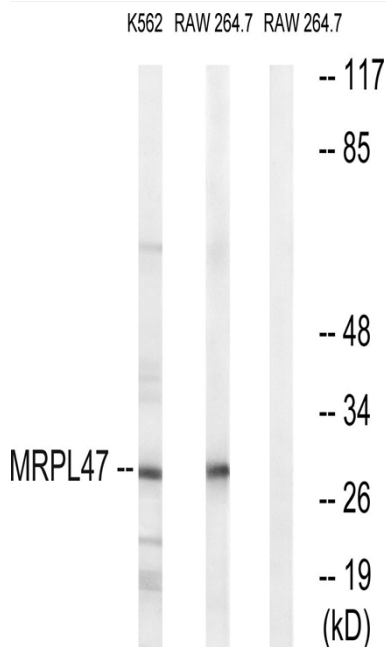
matters needing attention

Avoid repeated freezing and thawing!

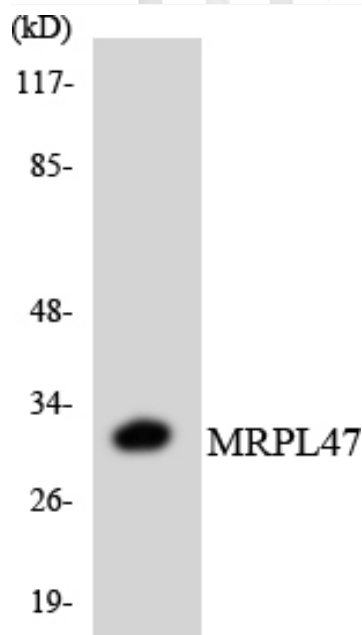
Usage suggestions

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

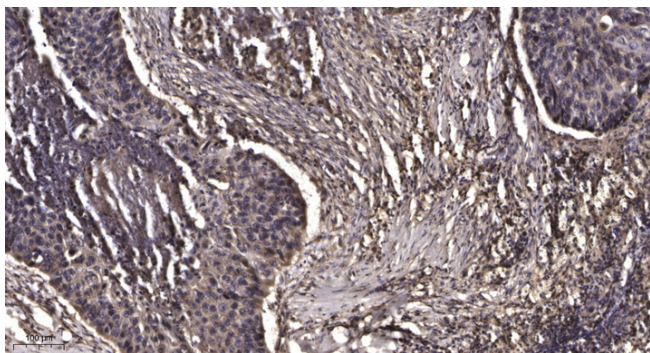
Products Images



Western blot analysis of lysates from RAW264.7 and K562 cells, using MRPL47 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using MRPL47 antibody.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 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).