



MRP-S7 Polyclonal Antibody

Catalog No	YP-Ab-04022
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	MRPS7
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS7. AA range:91-140
Specificity	MRP-S7 Polyclonal Antibody detects endogenous levels of MRP-S7 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	MRP S5;MRPS5;S5mt;MRP-S7;MRPS7;28S ribosomal protein S7 mitochondrial; 28S ribosomal protein S7;mitochondrial;S7mt;bMRP-27a;bMRP27a
Observed Band	24kD
Calculated Molecular Weight	24kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Eye,Skeletal muscle,Small intestine,Umbilical cord blood,
Function	similarity:Belongs to the ribosomal protein S7P family.,subunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 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 28S subunit protein. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- and A-sites. Pseudogenes corresponding to

matters needing attention

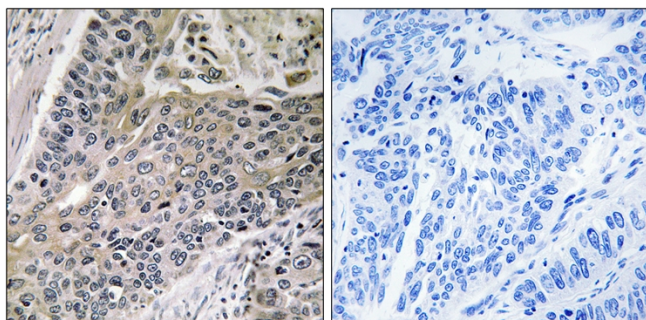
Avoid repeated freezing and thawing!

Usage suggestions

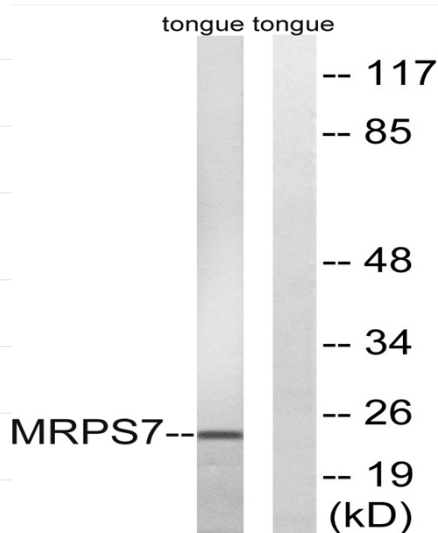
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



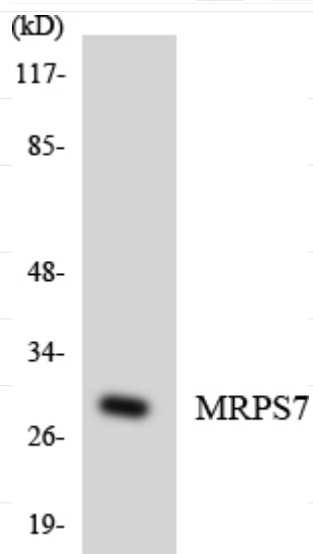
Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using MRPS7 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from rat tongue cells, using MRPS7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using MRPS7 antibody.