



MRP-S5 Polyclonal Antibody

Catalog No	YP-Ab-04021
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	MRPS5
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPS5. AA range:367-416
Specificity	MRP-S5 Polyclonal Antibody detects endogenous levels of MRP-S5 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	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-S5;28S ribosomal protein S5 mitochondrial;28S ribosomal protein S5;mitochondrial
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Mitochondrion .
Tissue Specificity	Epithelium,Kidney,Retina,Testis,
Function	similarity:Belongs to the ribosomal protein S5P family.,similarity:Contains 1 S5 DRBM domain.,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 that belongs to the ribosomal protein S5P family. Pseudogenes corresponding to this gene are found on chromosomes 4q, 5q, and 18q. [provided by RefSeq, Jul 2008],

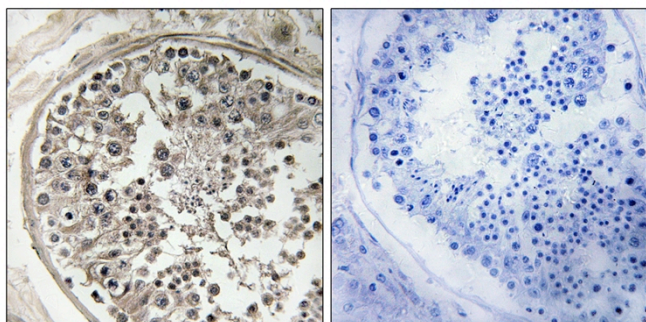
matters needing attention

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



Immunohistochemistry analysis of paraffin-embedded human testis, using MRPS5 Antibody. The picture on the right is blocked with the synthesized peptide.