

## MRP-S33 rabbit pAb

## Cat No.:ES6552

For research use only

## Overview

Product Name	MRP-S33 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA:
	1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized
	peptide derived from human MRPS33. AA
	range:51-100
Specificity	MRP-S33 Polyclonal Antibody detects endogenous
	levels of MRP-S33 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and
	0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	28S ribosomal protein S33 mitochondrial
Gene Name	MRPS33
Cellular localization	Mitochondrion .
Purification	The antibody was affinity-purified from rabbit
	antiserum by affinity-chromatography using
	epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	51650
Human Swiss-Prot Number	Q9Y291
Alternative Names	MRPS33; CGI-139; PTD003; 28S ribosomal protein
	S33; mitochondrial; MRP-S33; S33mt
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



+86-27-59760950

ELKbio@ELKbiotech.com

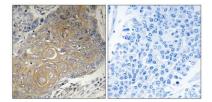
www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C



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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that is one of the more highly conserved mitochondrial ribosomal proteins among mammals, Dro

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using MRPS33 Antibody. The picture on the right is blocked with the synthesized peptide.





+86-27-59760950

ELKbio@ELKbiotech.com

www.elkbiotech.com

23-2, No.388 Gaoxin 2nd Road, Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C