Summary

Production Name	MRP-S33 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	MRPS33
Alternative Names	MRPS33; CGI-139; PTD003; 28S ribosomal protein S33; mitochondrial; MRP-S33; S33mt
Gene ID	51650.0
SwissProt ID	Q9Y291.The antiserum was produced against synthesized peptide derived from human MRPS33. AA range:51-100

Application

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Dilution Ratio	IHC 1:100-1:300 ELISA: 1:10000
Molecular Weight	

Background

Product Name: MRP-S33 Rabbit Polyclonal Antibody
Catalog #: APRab14154

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. 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, Drosubunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,

Research Area

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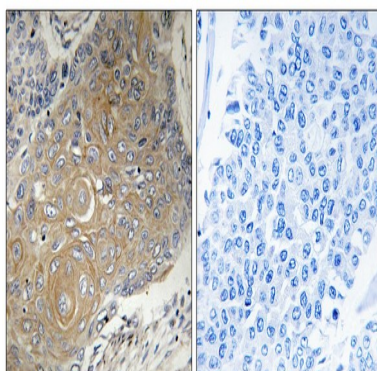
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using MRPS33 Antibody. The picture on the right is blocked with the synthesized peptide.

Note
For research use only.