

MRPS22 antibody

Product Information

Catalog No.:	FNab05353
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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 does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene corresponding to this gene is found on chromosome Xq.

Immunogen information

Immunogen:	mitochondrial ribosomal protein S22
Synonyms:	Small ribosomal subunit protein mS22 28S ribosomal protein S22, mitochondrial (MRP-S22, S22mt) MRPS22 C3orf5 RPMS22
Observed MW:	41 kDa
Uniprot ID :	P82650

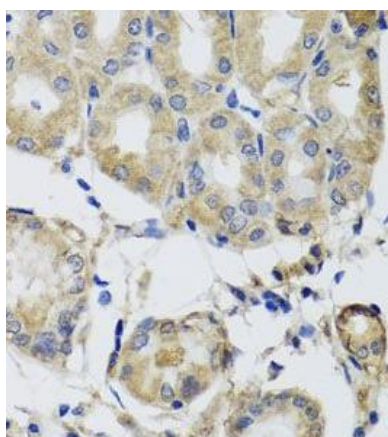
Application

Reactivity: Human, Mouse

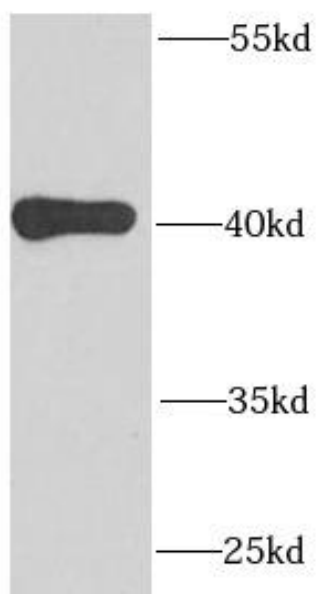
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:100

Image:



Immunohistochemistry of paraffin-embedded human stomach using FNab05353(MRPS22 antibody) at dilution of 1:50



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab05353(MRPS22 antibody) at dilution of 1:1000