MRPL12 antibody

Product Information

Catalog No.:	FNab05315
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℃ 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 39S subunit protein which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex.

Immunogen information

Immunogen:	mitochondrial ribosomal protein L12
Synonyms:	Large ribosomal subunit protein bL12m|39S ribosomal protein L12, mitochondrial (L12mt, MRP-L12)|5c5-2|MRPL12|MRPL7|RPML12
Observed MW:	21 kDa
Uniprot ID :	P52815

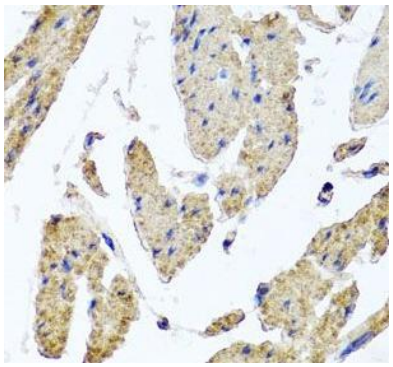
Application

Reactivity:	Human

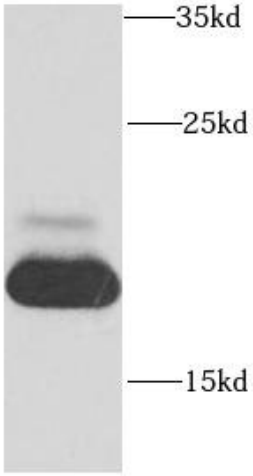
Tested Application: ELISA, WB, IHC

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

Image:



Immunohistochemistry of paraffin-embedded human esophageal smooth muscle using FNab05315(MRPL12 antibody) at dilution of 1:100



HeLa cells were subjected to SDS PAGE followed by western blot with FNab05315(MRPL12 antibody) at dilution of 1:1000