

DNAXPAb

Hard-to-Find  
Antibody

# MRPL21 DNAXPab

Catalog # H00219927-W01P      Size 200 ug

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against a full-length human MRPL21 DNA using DNAX™ Immune technology.
<b>Technology</b>	<a href="#">DNAX™ Immune</a>
<b>Immunogen</b>	Full-length human DNA
<b>Sequence</b>	MAAAMAASSLTVTLGRLASACSHSILRPSGPGAASLWSASRRFNSQSTSYLPGYVPKTSLSPP WPEVVLDPDVEETRHHAEVVKKVNEMVTGQYGRLFAVVHFASRQWKVTSEDLILIGNELDLACG ERIRLEKVLVVGADNFTLLGKPLLKDLVRVEATVIEKTESWPRIIMRFRKRKNFKKKRVTTPQTVL RINSIEIAPCLL
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)  
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

## Gene Info — MRPL21

**Entrez GeneID** [219927](#)**GeneBank Accession#** [BC055088](#)**Protein Accession#** [AAH55088](#)**Gene Name** MRPL21**Gene Alias** L21mt, MGC62013, MRP-L21**Gene Description** mitochondrial ribosomal protein L21**Gene Ontology** [Hyperlink](#)

**Gene Summary**

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28 S 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. Multiple transcript variants encoding different isoforms were identified through sequence analysis although some may be subject to nonsense-mediated decay (NMD). [provided by RefSeq]

**Other Designations** 39S ribosomal protein L21, mitochondrial