

DNAXPAb

Hard-to-Find
Antibody

MRPL18 DNAXPab

Catalog # H00029074-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MRPL18 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MALRSRFWGLFSVCRNPGCRFAALSTSSEPAAKPEVDPVENEAVAPEFTNRNPRNLELLSVAR KERGWRTVFPSREFWHRLRVIRTQHHVEALVEHQNGKVVVSASTREWAIAKKHLYSTRNVVACESI GRVLAQRCLEAGINFMVYQPTPWEEAASDSMKRLQSAMTEGGVVLREPQRIYE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	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 — MRPL18

Entrez GeneID [29074](#)**GeneBank Accession#** [NM_014161.2](#)**Protein Accession#** [NP_054880.2](#)**Gene Name** MRPL18**Gene Alias** HSPC071, L18mt, MRP-L18**Gene Description** mitochondrial ribosomal protein L18**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 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 that belongs to the L18P ribosomal protein family. Three polymorphic sites exist in this gene, one of which is three nt in length which causes an extra aa near the N-terminus. [provided by RefSeq]

Other Designations 39S ribosomal protein L18, mitochondrial|OTTHUMP00000017534