

DNAXPAb

Hard-to-Find
Antibody

MRPL48 DNAXPab

Catalog # H00051642-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MRPL48 DNA using DNAX™ Immune technology.
Technology	DNAX™ Immune
Immunogen	Full-length human DNA
Sequence	MSGTLGKVLCLRNNTIFKQAFSLLRFRTSGEKPIYSVGGILLSISRPYKTKPTHGIGKYKHLIAEEPK KKKGKVEVRainLGTDEYGVNLHLTAYDMTLAESYAQYVHNLCSLSIKVEESYAMPTKTIEVLQL QDQGSKMLLDSVLTTHERVVQISGLSATFAEIFLEIIQSSLPEGVRLSVKEHTEEDFKGRFKARPEL EELLAKLK
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 — MRPL48

Entrez GeneID [51642](#)**GeneBank Accession#** [BC009764](#)**Protein Accession#** [AAH09764](#)**Gene Name** MRPL48**Gene Alias** CGI-118, FLJ17047, FLJ99260, HSPC290, L48MT, MGC13323, MRP-L48**Gene Description** mitochondrial ribosomal protein L48**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. A pseudogene corresponding to this gene is found on chromosome 6p. [provided by RefSeq]

Other Designations 39S ribosomal protein L48, mitochondrial