

DNAxPAb

Hard-to-Find
Antibody

MRPL43 DNAxPab

Catalog # H00084545-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MRPL43 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MTARGTPSRFLASVLHNLGRYVQQLQRLSFSVSRDGASSRGAREFVEREVIDFARRNPGVVIYV NSRPCCVPRVVAEYLNNAVREESIHCKSVEEISTLVQKLADQSGLDVIRIRKPFHTDNPSIQGQWH PFTNKPTTFRGLRPREVQDPAPAVQAAQ
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 — MRPL43

Entrez GeneID [84545](#)

GeneBank Accession# [NM_032112.2](#)

Protein Accession# [NP_115488.2](#)

Gene Name MRPL43

Gene Alias MGC17989, MGC48892, bMRP36a

Gene Description mitochondrial ribosomal protein L43

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. This gene and the gene for a semaphorin class 4 protein (SEMA4G) overlap at map location 10q24.31 and are transcribed in opposite directions. Sequence analysis identified multiple transcript variants encoding at least four different protein isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000020304|OTTHUMP00000020305|OTTHUMP00000020307|OTTHUMP00000020310|OTTHUMP00000059154

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)