

DNAxPAb

Hard-to-Find
Antibody

MRPL12 DNAxPab

Catalog # H00006182-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MRPL12 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLPAAARPLWGPCGLRAAAFRLARRQVPCVCAVRHMRSSGHQRCEALAGAPLDNAPKEYPP KIQQLVQDIASLTLEISDLNELLKKTLLKIQDVGLVPMGGVMSGAVPAAAAQEAVEEDIPIAKERTHF TVRLTEAKPVDKVKLIKEIKNYIQGINLVQAKKLVESLPQEIKANVAKAEAEKIKAALEAVGGTVVLE
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 — MRPL12

Entrez GeneID [6182](#)**GeneBank Accession#** [NM_002949.2](#)**Protein Accession#** [NP_002940.2](#)**Gene Name** MRPL12**Gene Alias** 5c5-2, FLJ60124, L12mt, MGC8610, MRP-L31/34, MRPL7, MRPL7/L12, RPML12**Gene Description** mitochondrial ribosomal protein L12**Omim ID** [602375](#)**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 which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex. [provided by RefSeq]

Other Designations -