

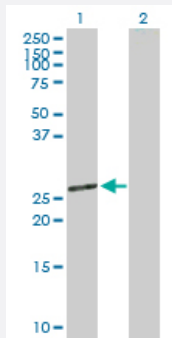
MaxPab®

# MRPL12 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006182-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of MRPL12 expression in transfected 293T cell line ([H00006182-T01](#)) by MRPL12 MaxPab polyclonal antibody.

Lane 1: MRPL12 transfected lysate(21.30 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human MRPL12 protein.
Immunogen	MRPL12 (NP_002940.2, 1 a.a. ~ 198 a.a) full-length human protein.
Sequence	MLPAAARPLWGPCGLRAAAFRLARRQVPCVCAVRHMRSSGHQRCEALAGAPLDNAPKEYPP KIQQLVQDIASLTLEISDLNELLKTKIQDVGLVPMGGVMSGAVPAAAAQEAVEEDIPIAKERTHF TVRLTEAKPVDKVKLIKEIKNYQGINLVQAKKLVESLPQEIKANVAKAEAEKIKAALEAVGGTVVLE
Host	Mouse
Reactivity	Human
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

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[Protocol Download](#)

## Gene Info — MRPL12

Entrez GeneID [6182](#)

GeneBank Accession# [NM\\_002949](#)

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 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 which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex. [provided by RefSeq]

Other Designations -