

## MRPL48 Polyclonal Antibody

Catalog No: #30040



Package Size: #30040-1 50ul #30040-2 100ul

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | MRPL48 Polyclonal Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Isotype               | IgG   |
| Purification          | Affinity purification   |
| Applications          | WB  |
| Species Reactivity    | Human,Mouse,Rat   |
| Immunogen Description | Recombinant protein of human MRPL48.                              |
| Other Names           | L48MT; CGI-118; HSPC290; MRP-L48                                  |
| Accession No.         | Swiss-Prot#:Q96GC5NCBI Gene ID:51642                              |
| Uniprot               | Q96GC5  |
| GeneID                | 51642;  |
| Calculated MW         | Refer to figures  |
| Formulation           | Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4. |
| Storage               | Store at -20°C  |

## Application Details

WB□1:500 - 1:2000

## Background

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. A pseudogene corresponding to this gene is found on chromosome 6p. Several transcript variants, some protein-coding and some non-protein coding, have been found for this gene.

Note: This product is for in vitro research use only