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# MRPS33 Rabbit pAb

货号: **AYP18738**

## 产品信息

|       |  |
|-------|--|
| 反应    | Human,Mouse  |
| 宿主    | Rabbit   |
| 克隆性   | Polyclonal   |
| 预测反应  |  |
| 应用    | WB   |
| 推荐浓度  | <b>WB:</b> 1:500 - 1:2000  |
| 理论分子量 | 12kDa  |
| 实测分子量 | 13kDa  |
| 形式    | Liquid   |
| 保存条件  | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物   | Unconjugated   |
| 阳性对照  | A-549,293T,Mouse brain,Mouse kidney  |
| 细胞定位  | Mitochondrion  |
| 纯化    | Affinity purification  |

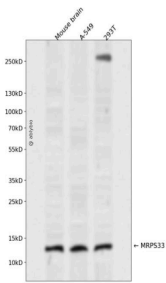
## 抗原信息

|      |   |
|------|---|
| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 1-106 of human MRPS3 3 (NP_057155.1). |
|------|---|

## 靶点信息

|       |  |
|-------|--|
| 研究背景  | 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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that is one of the more highly conserved mitochondrial ribosomal proteins among mammals, Drosophila and C. elegans. Splice variants that differ in the 5' UTR have been found for this gene; all variants encode the same protein. Pseudogenes corresponding to this gene are found on chromosomes 1q, 4p, 4q, and 20q |
| 基因ID  | 51650  |
| 基因名   | MRPS33   |
| Swiss | Q9Y291 ( <a href="https://www.uniprot.org/uniprotkb/Q9Y291/entry">https://www.uniprot.org/uniprotkb/Q9Y291/entry</a> )   |
| 别名    | MRPS33,CGI-139,MRP-S33,PTD003,S33mt,MRPS33 Rabbit pAb,28S ribosomal protein S33,mitochondrial  |

## 产品验证



Western blot analysis of MRPS33 expressed in Mouse brain, A-549, 293T using MRPS33 Rabbit pAb at 1:100. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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