DNAxPAb | Hard-to-Find Antibody

# MRPS18A DNAxPab

Catalog # H00055168-W01P Size 200 ug

## Specification

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| **Product Description** | Rabbit polyclonal antibody raised against a full-length human MRPS18A DNA using DNAx™ Immune technology. |
| **Technology** | DNAx™ Immune |
| **Immunogen** | Full-length human DNA |
| **Sequence** | MAALKALVSGCGRLLRGLLAGPAATSWSRLPARGFREVVETQEGKTTIIEGRITATPKESPNPPNP SGQCPICRWNLKHKYNYDDVLLLSQFIRPHGGMLPRKITGLCQEEHRKIEECVKMAHRAGLLPNH RPRLPEGVVPKSKPQLNRYLTRWAPGSVKPIYKKGPRWNRVRMPVGSPLLRDNVCYSRTPWKL YH |
| **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 — MRPS18A

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|---|---|
| **Entrez GeneID** | 55168 |
| **GeneBank Accession#** | NM_018135.2 |
| **Protein Accession#** | NP_060605.1 |
| **Gene Name** | MRPS18A |
| **Gene Alias** | FLJ10548, HumanS18b, MRP-S18-3, MRPS18-3, S18bmt |
| **Gene Description** | mitochondrial ribosomal protein S18A |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein s ynthesis 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 co mpared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mam malian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among diff erent species, the proteins comprising the mitoribosome differ greatly in sequence, and sometim es in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S18P family. The encoded p rotein is one of three that has significant sequence similarity to bacterial S18 proteins. The primar y sequences of the three human mitochondrial S18 proteins are no more closely related to each o ther than they are to the prokaryotic S18 proteins. A pseudogene corresponding to this gene is fo und on chromosome 3p. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000016499\|mitochondrial ribosomal protein S18-3 |

## Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema