

DNAxPAb

Hard-to-Find
Antibody

MRPS22 DNAxPab

Catalog # H00056945-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MRPS22 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAPLGTTVLLWSLLRSSPGVERVCFRARIQPWHGGLLQPLPCSFEMGLPRRRFSSEAAESGSP ETKKPTFMDEEVQSILTKMTGLNLQKTFKPAIQELKPPTYKLMTQAQLEEATRQAVEAAKVRLKMP PVLEERVPIINDVLAEDKILEGTETTKYVFTDISYSIPHRERFIVVREPSGTLRKASWEERDRMIQVYF PKEGRKILTPHFKENLRMTYSQDRHVDVLNLCFAQFEPDSTEYIKVHHKTYEDIDKRGKYDLLRST RYFGGMVWYFVNNKKIDGLLIDQQRDLIDDATNLVQLYHVLHPDGQSAQGAKDQAAEGINLIKVFA KTEAQKGAYIELTLQTYQEALSRHSAAS
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 — MRPS22

Entrez GeneID [56945](#)

GeneBank Accession# [NM_020191.2](#)

Protein Accession# [NP_064576.1](#)

Gene Name MRPS22

Gene Alias C3orf5, COXPD5, GIBT, GK002, MRP-S22, RPMS22

Gene Description mitochondrial ribosomal protein S22

Omim ID [605810](#)

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 28S subunit protein that does not seem to have a counterpart in prokaryotic and fungal -mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene corresponding to this gene is found on chromosome Xq. [provided by RefSeq]

Other Designations -