



Datasheet for ABIN5672757

## anti-MRPS22 antibody (Middle Region)



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### Overview

Quantity: 100 µL

Target: MRPS22

Binding Specificity: Middle Region

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Conjugate: This MRPS22 antibody is un-conjugated

Application: Western Blotting (WB)

### Product Details

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human MRPS22

Sequence: ILEGTEKKY VFTDISYSIP HRERFIVVRE PSGTLRKASW EERDRMIQVY

Purification: Affinity purified

### Target Details

Target: MRPS22

Alternative Name: [MRPS22 \(MRPS22 Products\)](#)

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

## Target Details

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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.

Alias Symbols: GIBT, GK002, C3orf5, COXPD5, RPMS22, MRP-S22

Protein Size: 360

Gene ID:	56945
NCBI Accession:	<a href="#">NM_020191</a> , <a href="#">NP_064576</a>
UniProt:	<a href="#">P82650</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.