

Datasheet for ABIN7074652

**anti-MRPS22 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	MRPS22
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS22 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse MRPS22
Cross-Reactivity:	Rat
Purification:	Affinity purification

## Target Details

Target:	MRPS22
Alternative Name:	MRPS22 ( <a href="#">MRPS22 Products</a> )
Background:	MRPS22, also named as C3orf5, RPMS22 and S22mt, is a component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins. Defects in MRPS22 are the cause of combined oxidative phosphorylation deficiency type 5 (COXPD5). MRPS22 is a 360-amino-acid protein that has been found in a limited number of species, having no ortholog in fungi or prokaryotes. The exact location of MRPS22 in the three

## Target Details

dimensional structure of the ribosome and its exact function are currently unknown. Recently, a MRPS22 defect was shown to strongly hamper assembly of the small ribosomal subunit, whereas assembly of the large subunit and part of the small subunit were only mildly affected.

Molecular Weight: 41 kDa

Gene ID: 64655

NCBI Accession: [NP\\_079761](#)

UniProt: [Q9CXW2](#)

## Application Details

Application Notes: WB (M,R) 1: 500-1: 1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS, pH 7.4, 0.02 % sodium azide

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

## Images

### Western Blotting

**Image 1.** Western blot analysis of MRPS22 (ABIN7074652) at dilution of 1: 500

