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# Datasheet for ABIN7074652 anti-MRPS22 antibody

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

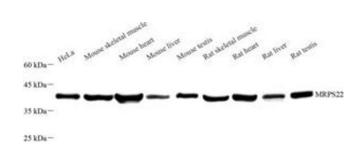
## Target Details

Target:	MRPS22
Alternative Name:	MRPS22 (MRPS22 Products)
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

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	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