

Datasheet for ABIN2785373  
**anti-MRPL55 antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	MRPL55
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Cow, Rabbit, Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL55 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Sequence:	TIHIRYREPR RMLAMPIDLD TLSPEERRAR LRKREAQLQS RKEYEQELSD
Predicted Reactivity:	Cow: 86%, Dog: 90%, Guinea Pig: 85%, Horse: 90%, Human: 100%, Mouse: 86%, Pig: 90%, Rabbit: 90%, Rat: 93%, Yeast: 82%
Characteristics:	This is a rabbit polyclonal antibody against MRPL55. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	MRPL55
Alternative Name:	MRPL55 ( <a href="#">MRPL55 Products</a> )
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein

## Target Details

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 39S subunit protein. Multiple transcript variants encoding two different isoforms were identified through sequence analysis.

Alias Symbols: AAVG5835, DKFZp686D1387, L55nt, MGC61802, MRP-L55, PRO19675

Protein Interaction Partner: MRPL52, MRPL9, MRPL32, MRPL41, MRPS9, MRPL39, MRPL51, MRPL15, MRPL13, MRPL3, TOMM40, FLOT1, RPS23, MRPL23, HNRNPM, ILF3, ILF2, ICT1, Protein Size: 128

Molecular Weight:	14 kDa
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Gene ID:	128308
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NCBI Accession:	<a href="#">NM_001107266</a> , <a href="#">NP_001100736</a>
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UniProt:	<a href="#">D4ACI9</a>
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## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 128 AA
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Handling

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.

Images



60 kDa\_\_  
40 kDa\_\_  
31 kDa\_\_  
22 kDa\_\_  
10 kDa\_\_

Rabbit Anti-MRPL55 Antibody  
Catalog Number: ARP53389  
Lot Number: QC22386  
Lane: OVCAR-3 Cell Lysate

Antibody Titration: 1.0µg/ml  
Gel Concentration: 10-20%

**Western Blotting**

**Image 1.**