

Datasheet for ABIN2790816  
**anti-MRPL4 antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	MRPL4
Binding Specificity:	N-Term
Reactivity:	Human, Horse, Rabbit, Rat, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL4 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human MRPL4
Sequence:	YAKTKTRAEV RGGGRKPWPQ KGTGRARHGS IRSPLWRGGG VAHGPRGPTS
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against MRPL4. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	MRPL4
Alternative Name:	MRPL4 ( <a href="#">MRPL4 Products</a> )

## Target Details

Background:	<p>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 39S subunit protein.</p> <p>Alias Symbols: CDABP0091, CGI-28, L4mt</p> <p>Protein Interaction Partner: CLK2, TRIM23, SUMO3, GRSF1, XRN2, EXOSC6, SOX2, CSNK2A1, C1QBP, MRPL24, MRPL1, MRPL14, MRPL2, MRPL15, MRPL46, MRPL3, HNRNPR, TUFM, RPS18, MRPL23, ILF3, ICT1, CD55, CYC1, CAND1, CUL3, UBC, KRTAP4-12, EIF2B1, DDX24,</p> <p>Protein Size: 211</p>
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Molecular Weight:	23 kDa
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Gene ID:	51073
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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: 211 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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Storage:	-20 °C
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Handling

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



Western Blotting

**Image 1.** Host: Rabbit Target Name: MRPL4 Sample Type: HepG2 Whole Cell lysates Antibody Dilution: 1.0ug/ml