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Datasheet for ABIN2790816 anti-MRPL4 antibody (N-Term)

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 (MRPL4 Products)

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Target Details

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
	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.
	Alias Symbols: CDABP0091, CGI-28, L4mt
	Protein Interaction Partner: CLK2, TRIM23, SUM03, 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,
	Protein Size: 211
Molecular Weight:	23 kDa
Gene ID:	51073

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 211 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
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.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

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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

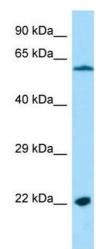


Image 1. Host: Rabbit Target Name: MRPL4 Sample Type: HepG2 Whole Cell lysates Antibody Dilution: 1.0ug/ml

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