Datasheet for ABIN953512

anti-MRPL51 antibody (C-Term)

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1 Image

Overview

Quantity:	0.4 mL
Target:	MRPL51
Binding Specificity:	AA 103-132, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL51 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 103-132 amino acids from the C-terminal region of Human RM51 Genename: MRPL51
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse MRPL51 (C-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	MRPL51
Alternative Name:	MRPL51 (MRPL51 Products)
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein

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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. Pseudogenes corresponding to this gene are found on chromosomes 4p and 21q.Synonyms: 39S ribosomal protein L51, CDA09, HSPC241, L51mt, MRP-L51, MRP64, mitochondrial
Molecular Weight:	15095 Da
Gene ID:	51258
NCBI Accession:	NP_057581

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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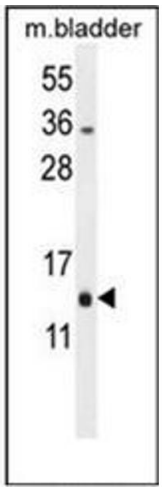

Western Blotting

Image 1. Western blot analysis of MRPL51 Antibody (C-term) in Mouse bladder tissue lysates (35ug/lane). This demonstrates the RM51 antibody detected the RM51 protein (arrow).

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