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Datasheet for ABIN5514549 **anti-MRPL50 antibody (N-Term)**

Overview

Quantity:	100 µL
Target:	MRPL50
Binding Specificity:	N-Term
Reactivity:	Human, Cow, Dog, Guinea Pig, Horse, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL50 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 RM50
Sequence:	CREFWSRFRK EKEPVVETV EEKKEPILVC PPLRSRAYTP PEDLQSRLES
Predicted Reactivity:	Cow: 85%, Dog: 79%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against RM50. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MRPL50
Alternative Name:	RM50 (MRPL50 Products)
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 putative 39S subunit protein and belongs to the L47P ribosomal protein family. Pseudogenes corresponding to this gene are found on chromosomes 2p, 2q, 5p, and 10q.

Alias Symbols: MRPL50,

Protein Interaction Partner: UBC, MDM2, NPM1, MRPL45, TMEM177, MRPL57, MRPL44, MRPL32, MRPL38, MRPL40, MRPS9, MRPL47, TSR1, RIF1, MRPL37, MRPL15, FLOT1, MRPL19, SUCLG2, SLC25A3, ILF2, ATP6V0A1, ATP6V1B1, CUL3, ICT1,

Protein Size: 158

Gene ID: 54534

NCBI Accession: [NP_061924](#)

UniProt: [Q8N5N7](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

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

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.