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Datasheet for ABIN7467102 **anti-MRPL18 antibody**

Overview

Quantity:	100 µL
Target:	MRPL18
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MRPL18. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	MRPL18
Alternative Name:	mitochondrial ribosomal protein L18 (MRPL18 Products)
Background:	Mitochondrial ribosomal protein L18 , HSPC071 , L18mt , MRP-L18,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

Target Details

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 that belongs to the L18P ribosomal protein family. Three polymorphic sites exist in this gene, one of which is three nt in length which causes an extra aa near the N-terminus. [provided by RefSeq]

Molecular Weight: 21 kDa

Gene ID: 29074

UniProt: [Q9H0U6](#)

Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: NT2D1 , PC-3 , U87-MG

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.8 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.