Datasheet for ABIN2782562

anti-MRPL39 antibody (N-Term)

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1 Image

Overview

Quantity:	100 µL
Target:	MRPL39
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse, Rabbit, Cow, Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL39 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 MRPL39
Sequence:	TELTEMRNDL FNKEKARQLS LTPRTEKIEV KHVGKTDPGT VFVMNKNIST
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 92%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against MRPL39. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	MRPL39

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Target Details

Alternative Name:	MRPL39 (MRPL39 Products)
Background:	Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. MRPL39 is a 39S subunit protein. 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. Two transcript variants encoding distinct isoforms have been described. A pseudogene corresponding to this gene is found on chromosome 5q. Alias Symbols: C21orf92, FLJ20451, L39mt, MGC104174, MGC3400, MRP-L5, MSTP003, PRED22, PRED66, RPML5, MRPL5 Protein Interaction Partner: TP53, UBC, SOX2, NPM1, MRPL55, MRPL52, MRPL24, MRPL44, MRPL9, MRPL11, MRPL32, MRPL38, MRPL40, MRPS9, MRPL14, MARC1, TSR1, MRPL37, MRPL15, MRPL13, MRPL3, MRPL19, LAMTOR3, NONO, ILF3, ICT1, DLST, MRPL49, CAND1, CUL3, TCF3, USP32, PAN2, Protein Size: 338
Molecular Weight:	39 kDa
Gene ID:	54148
NCBI Accession:	NM_017446, NP_059142
UniProt:	Q9NYK5

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 338 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific

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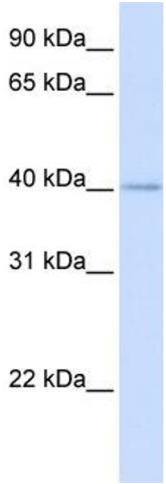
Handling

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
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. WB Suggested Anti-MRPL39 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human heart