

Datasheet for ABIN2778372
anti-MRPS15 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	MRPS15
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS15 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human MRPS15
Sequence:	RRFVTKKALC IRVFQETQKL KKRRRALKAA AAAQKQAKRR NPDSPAKAIP
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against MRPS15. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	MRPS15
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Target Details

Alternative Name:	MRPS15 (MRPS15 Products)
Background:	<p>Mammalian mitochondrial ribosomal proteins help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. MRPS15 is a 28S subunit protein that belongs to the ribosomal protein S15P family. The protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the protein is the least conserved among small subunit ribosomal proteins. 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 28S subunit protein that belongs to the ribosomal protein S15P family. The encoded protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 15q and 19q.</p> <p>Alias Symbols: DC37, FLJ11564, MPR-S15, RPMS15, S15mt</p> <p>Protein Interaction Partner: GRSF1, UBC, PARK2, ESR2, PTCD3, CAND1, COPS5, CUL3, SUMO2, ICT1,</p> <p>Protein Size: 257</p>

Molecular Weight:	30 kDa
Gene ID:	64960
NCBI Accession:	NM_031280 , NP_112570
UniProt:	P82914

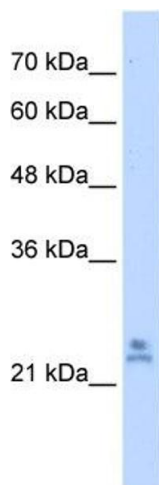
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 257 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
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-MRPS15 Antibody Titration: 2.5ug/ml ELISA Titer: 1:62500 Positive Control: 721_B cell lysate MRPS15 is supported by BioGPS gene expression data to be expressed in 721_B