Datasheet for ABIN2774349
anti-MRPL43 antibody (C-Term)

1 Image

Overview

Quantity:	100 μL
Target:	MRPL43
Binding Specificity:	C-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL43 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	WHPFTNKPTT FRGLRPREVQ DPAPAQDTGL RLSAVAPQIL LPGWPDPPDL
Predicted Reactivity:	Human: 100%, Pig: 100%
Characteristics:	This is a rabbit polyclonal antibody against MRPL43. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MRPL43
Alternative Name:	MRPL43 (MRPL43 Products)
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a

Target Details

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. This gene and the gene for a semaphorin class 4 protein (SEMA4G) overlap at map location 10q24.31 and are transcribed in opposite directions.

Alias Symbols: MGC17989, MGC48892, bMRP36a

Protein Interaction Partner: FXR2, MDM2, SRPK1, NPM1, VCAM1, ITGA4, RPS18, NDUFA2, MRPL40, MRPL47, LAMTOR3, CAND1, COPS5, UBC, Ybx1, ICT1, DDX56, ARRB2,

Protein Size: 215

Molecular Weight:	23 kDa
Gene ID:	84545
NCBI Accession:	NM_176792, NP_789762
UniProt:	Q8N983

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 215 AA
Restrictions:	For Research Use only

Handling

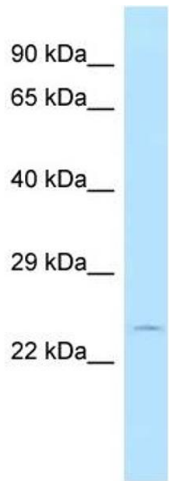|	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

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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.

Validation report #103540 for Western Blotting (WB)

Western Blotting

Image 1. WB Suggested Anti-MRPL43 Antibody Titration: 1.0 ug/ml Positive Control: 721_B Whole Cell