

Datasheet for ABIN2788460
anti-MRPL45 antibody (C-Term)[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	MRPL45
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPL45 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 MRPL45
Sequence:	YGSWRMHTKI VPPWAPPKQP ILKTMIPGP QLKPEEEYEE AQGEAQKPQL
Predicted Reactivity:	Cow: 75%, Human: 100%, Mouse: 91%, Rat: 82%, Zebrafish: 75%
Characteristics:	This is a rabbit polyclonal antibody against MRPL45. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MRPL45
Alternative Name:	MRPL45 (MRPL45 Products)

Target Details

Background:	<p>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. Pseudogenes corresponding to this gene are found on chromosomes 2p and 17q.</p> <p>Alias Symbols: MGC11321, L45mt, MRP-L45</p> <p>Protein Interaction Partner: TRIM23, UBC, C1QBP, TMEM177, MRPL24, MARCKSL1, MRPL9, MRPL11, MRPL32, MRPL38, MRPL47, SYNJ2BP, MRPL50, MRPL51, MRPL37, MRPL15, MRPL13, ZC3H4, HNRNPR, MRPL19, SDHB, ILF3, CUL3, ICT1, KBTBD7, G3BP1,</p> <p>Protein Size: 306</p>
Molecular Weight:	35 kDa
Gene ID:	84311
NCBI Accession:	NM_032351 , NP_115727
UniProt:	Q9BRJ2

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 306 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

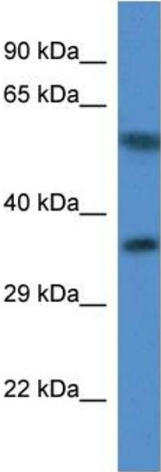
Handling

	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.

Publications

Product cited in:	Doukhanine, Gavino, Haines, Almazan, Richard: "The QKI-6 RNA binding protein regulates actin-interacting protein-1 mRNA stability during oligodendrocyte differentiation." in: Molecular biology of the cell , Vol. 21, Issue 17, pp. 3029-40, (2010) (PubMed).
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Images



Rabbit Anti-MRPL45 Antibody
Catalog Number: ARP60476
Lot Number: QC31619
Lane: Fetal Heart Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 1.