Datasheet for ABIN2791674

anti-MRPS18C antibody (C-Term)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	MRPS18C
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS18C 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 MRPS18C
Sequence:	FVSPFTGCIY GRHITGLCGK KQKEITKAIK RAQIMGFMPV TYKDPAYLKD
Predicted Reactivity:	Cow: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Rat: 93%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against MRPS18C. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	MRPS18C
Alternative Name:	MRPS18C (MRPS18C Products)

Target Details

Background:	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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. Alias Symbols: MRP-S18-1, MRPS18-1 Protein Interaction Partner: LIG4, UBC, Protein Size: 142
Molecular Weight:	15 kDa
Gene ID:	51023
NCBI Accession:	NM_016067, NP_057151
UniProt:	Q9Y3D5

Application Details

Restrictions:	For Research Use only

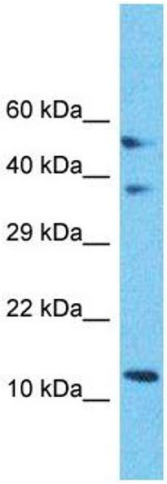
Handling

Format:	Liquid
Concentration:	1 mg/mL
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 repeat freeze-thaw cycles.
Storage:	-20 °C

Handling

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.