

Datasheet for ABIN6144028
anti-MRPS18B antibody (AA 1-258)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MRPS18B
Binding Specificity:	AA 1-258
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS18B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-258 of human MRPS18B (NP_054765.1).
Sequence:	MAASVLNTVL RRLPMLSLFR GSHRVQVPLQ TLCTKAPSEE DSLSSVPISP YKDEPWKYLE SEELYQERYGS RPVWADYRRN HKGGVPPQRT RKTCCRNV VGNPCPICRD HKLHVDFRNV KLLEQFVCAH TGIIFYAPYT GVCVKQHKRL TQAIQKARDH GLLIYHIPQV EPRDLDFSTS HGAVSATPPA PTLVSGDPWY PWYNWKQPPE RELSRLRLRY QGHLQEESGP PPESMPKMPP RTPAEASSTG QTGPQSAL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MRPS18B
Alternative Name:	MRPS18B (MRPS18B Products)
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 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. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q.,MRPS18B,C6orf14,HSPC183,HumanS18a,MRP-S18-2,MRPS18-2,PTD017,S18amt,Epigenetics & Nuclear Signaling,MRPS18B</p>
Molecular Weight:	29 kDa
Gene ID:	28973
UniProt:	Q9Y676

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:100 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

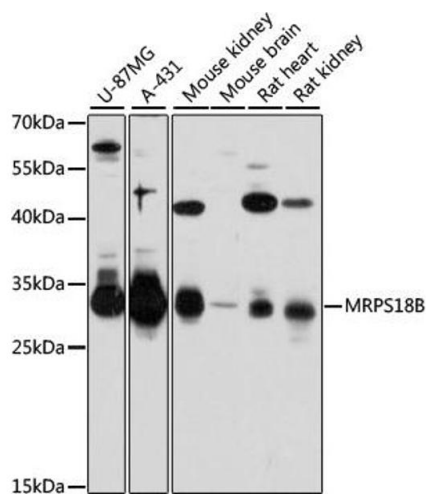
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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

Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MRPS18B antibody (ABIN6133075, ABIN6144028, ABIN6144029 and ABIN6215657) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.