

Datasheet for ABIN7268586
anti-MRPS33 antibody (AA 1-106)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	MRPS33
Binding Specificity:	AA 1-106
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS33 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	MRPS33 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-106 of human MRPS33 (NP_057155.1).
Sequence:	MSSLSEYAFR MSRLSARLFG EVTRPTNSKS MKVVKLFSEL PLAKKKETYD WYPNHHTYAE LMQTLRFLGL YRDEHQDFMD EQKRLKKLRG KEKPKKGEGK RAAKRK
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	MRPS33
Alternative Name:	MRPS33 (MRPS33 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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that is one of the more highly conserved mitochondrial ribosomal proteins among mammals, Drosophila and C. elegans. Splice variants that differ in the 5' UTR have been found for this gene, all variants encode the same protein. Pseudogenes corresponding to this gene are found on chromosomes 1q, 4p, 4q, and 20q,MRPS33,CGI-139,MRP-S33,PTD003,S33mt,Epigenetics & Nuclear Signaling,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial translation,MRPS33</p>
Molecular Weight:	12kDa
Gene ID:	51650
UniProt:	Q9Y291

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

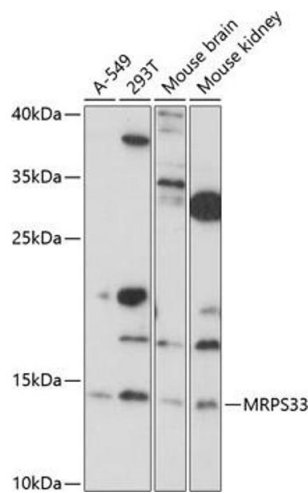
Handling

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 MRPS33 antibody (ABIN7268586) at 1:1000 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: 90s.