

Datasheet for ABIN6144038
anti-MRPS27 antibody (AA 255-414)



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3 Images

Overview

Quantity:	100 µL
Target:	MRPS27
Binding Specificity:	AA 255-414
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS27 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 255-414 of human MRPS27 (NP_055899.2).
Sequence:	YLDRALQVME KVAASPEDIK LCREALDVLG AVLKALTSAD GASEEQSQND EDNQGSEKLV EQLDIEETEQ SKLPQYLERF KALHSKLQAL GKIESEGLLS LTTQLVKEKL STCEAEDIAT YEQNLQQWHL DLVQLIQREQ QQREQAKQEY QAQKAAKASA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MRPS27
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Target Details

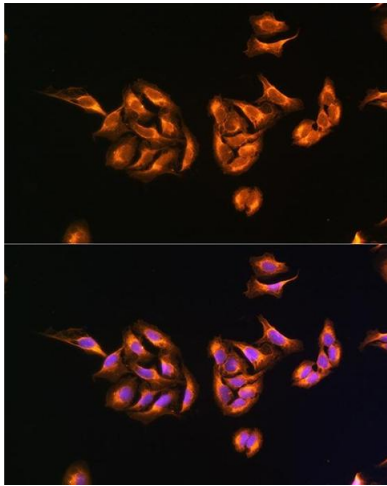
Alternative Name:	MRPS27 (MRPS27 Products)
Background:	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 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 may be a functional partner of the death associated protein 3 (DAP3). Alternative splicing results in multiple transcript variants encoding different isoforms.,MRPS27,MRP-S27,S27mt,Epigenetics & Nuclear Signaling,MRPS27
Molecular Weight:	47 kDa/49 kDa
Gene ID:	23107
UniProt:	Q92552
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

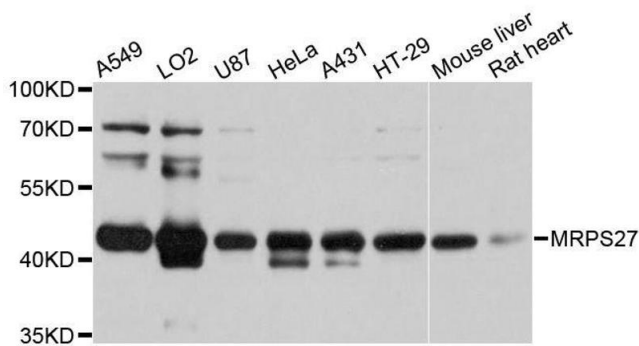
Handling

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



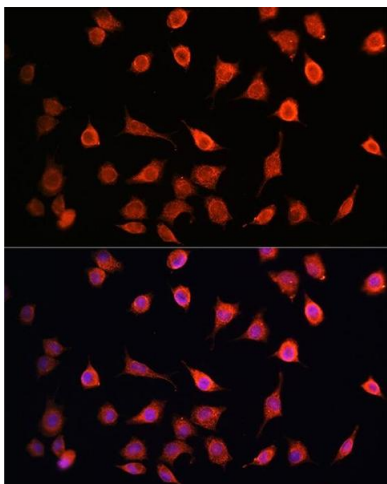
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using MRPS27 Rabbit pAb at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MRPS27 antibody.



Immunofluorescence

Image 3. Immunofluorescence analysis of L929 cells using MRPS27 Rabbit pAb at dilution of 100 (40x lens). Blue: DAPI for nuclear staining.