# .-online.com antibodies

Datasheet for ABIN2855726 anti-MRPS5 antibody

4 Images



#### Overview

Quantity:	100 μL
Target:	MRPS5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MRPS5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human MRPS5. The exact sequence is proprietary.
lsotype:	lgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to MRPS5 (mitochondrial ribosomal protein S5) MRPS5 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	MRPS5
Alternative Name:	mitochondrial ribosomal protein S5 (MRPS5 Products)

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2855726 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

# 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 S5P family. Pseudogenes corresponding to this gene are found on chromosomes 4q,
5q, and 18q.

Cellular Localization: Mitochondrion

Molecular Weight:	48 kDa
Gene ID:	64969
UniProt:	P82675
Pathways:	SARS-CoV-2 Protein Interactome

# Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , HeLa , HepG2
Restrictions:	For Research Use only

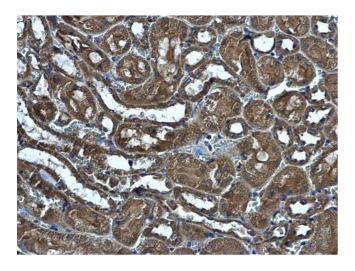
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN2855726 | 09/11/2023 | Copyright antibodies-online. All rights reserved. Storage Comment:

Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

#### Images



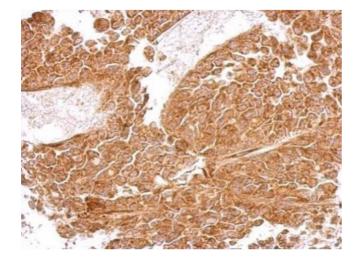


#### Immunohistochemistry

**Image 1.** IHC-P Image MRPS5 antibody detects MRPS5 protein at cytoplasm on mouse kidney by immunohistochemical analysis. Sample: Paraffin-embedded mouse kidney. MRPS5 antibody , diluted at 1:500.

#### Immunofluorescence

**Image 2.** ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using MRPS5, antibody at 1:200 dilution.



#### Immunohistochemistry

**Image 3.** IHC-P Image MRPS5 antibody detects MRPS5 protein at cytosol on AGS xenograft by immunohistochemical analysis. Sample: Paraffin-embedded AGS xenograft. MRPS5 antibody , dilution: 1:500.

Please check the product details page for more images. Overall 4 images are available for ABIN2855726.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN2855726 | 09/11/2023 | Copyright antibodies-online. All rights reserved.