

## Anti-MRPS18C antibody

<b>Cat. No.</b>	ml223682
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-MRPS18C rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Full length fusion protein
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.6 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	MRPS18C
<b>Full name</b>	mitochondrial ribosomal protein S18C

<b>Synonyms</b>	CGI-134; S18mt-c; MRPS18-1; mrps18-c; MRP-S18-1; MRP-S18-c
<b>Swissprot</b>	Q9Y3D5

#### Target 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.

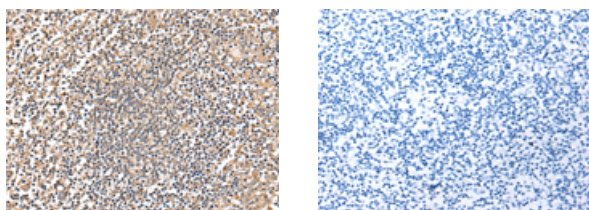
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human tonsil

Recommended dilution: 25-100



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ml223682(MRPS18C Antibody) at dilution 1/25, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 16 kDa

Positive control: 231, Hela, K562 cell and Human bladder carcinoma tissue

Recommended dilution: 1000-5000

Gel: 12%SDS-PAGE

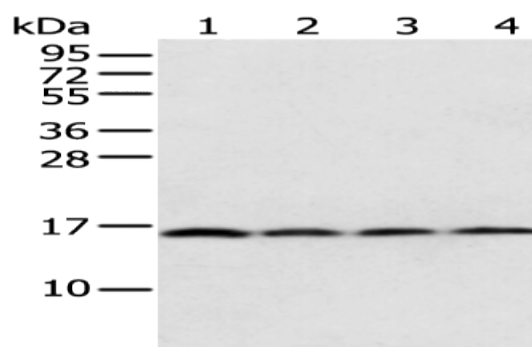
Lysate: 40 µg

Lane 1-4: K562 cell, Human bladder carcinoma tissue, Hela cell and 231 cell

Primary antibody: ml223682(MRPS18C Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



#### ELISA

Recommended dilution: 2000-10000

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