

## MRPS18C Polyclonal Antibody

Catalog No. E-AB-52272

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

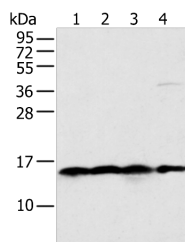
### Description

<b>Reactivity</b>	Human, Mouse
<b>Immunogen</b>	Full length fusion protein
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.05% NaN <sub>3</sub> and 40% Glycerol,pH7.4

### Applications Recommended Dilution

**WB** 1:500-1:2000

### Data



Western blot analysis of 231 Hela K562 cell and Human bladder carcinoma tissue using MRPS18C Polyclonal Antibody at dilution of 1:400

**Observed Mw:Refer to figures**  
**Calculated Mw:16 kDa**

### Preparation & Storage

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

### 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.

### For Research Use Only