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**Product Name: MPS1 Mouse Monoclonal Antibody****Catalog #: AMM80745**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ICC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS containing 0.03% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	ICC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	9.5kDa

**Antigen Information**

<b>Gene Name</b>	MPS1
<b>Alternative Names</b>	RPS27
<b>Gene ID</b>	6232.0
<b>SwissProt ID</b>	P42677
<b>Immunogen</b>	Purified recombinant fragment of MPS1 expressed in E. Coli.

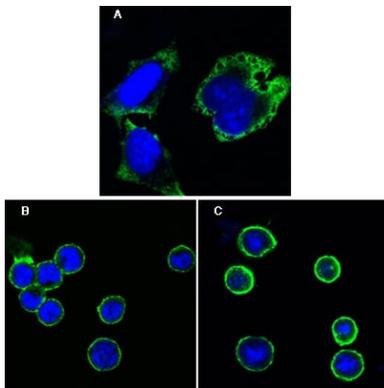
**Background**

MPS1, also known as RPS27. It is a ribosomal protein. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. MPS1 is a component of the 40S subunit. The protein belongs to the S27E family of ribosomal

proteins. It contains a C4-type zinc finger domain that can bind to zinc. The encoded protein has been shown to be able to bind to nucleic acid. It is located in the cytoplasm as a ribosomal component, but it has also been detected in the nucleus. Studies in rat indicate that ribosomal protein S27 is located near ribosomal protein S18 in the 40S subunit and is covalently linked to translation initiation factor eIF3. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

## Research Area

## Image Data



Confocal Immunofluorescence analysis of HeLa cells (A), BCBL-1 cells (B) and L1210 cells (C) using MPS1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.