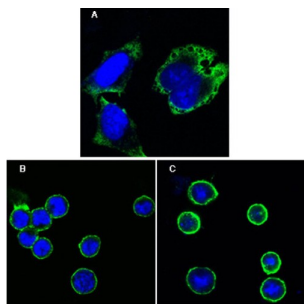


## Metallopan-Stimulin 1 (MPS1) Antibody

Catalogue No.: abx016040



Confocal immunofluorescence analysis of Hela cells (A), BCBL-1 cells (B) and L1210 cells (C) using MPS1 antibody (green). Blue: DRAQ5 fluorescent DNA dye.

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.

<b>Target:</b>	Metallopan-Stimulin 1 (MPS1)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, IF/ICC
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	ELISA: 1/10000, IF/ICC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Purified recombinant fragment of MPS1 expressed in E. coli.
<b>Isotype:</b>	IgG <sub>1</sub>
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 1.0.0  
Revision date: 04 Jun 2025



**UniProt Primary AC:** P42677 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** RPS27

**GeneID:** [6232](#)

**OMIM:** [603702](#)

**HGNC:** 10416

**KEGG:** hsa:6232

**Ensembl:** ENSG00000177954

**String:** [9606.ENSP00000357555](#)

**Molecular Weight:** 95 kDa

**Buffer:** Ascitic fluid containing 0.03% sodium azide.

**Concentration:** Not determined.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.