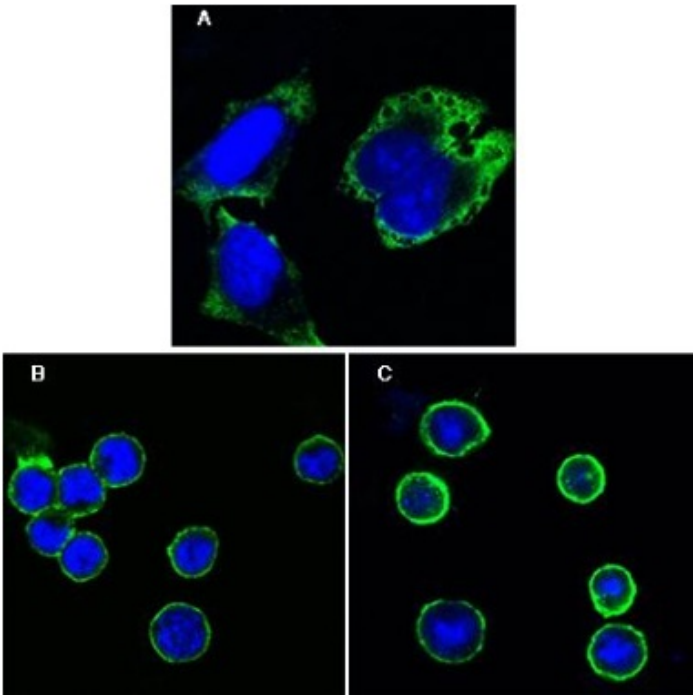
	<h1>MPS1 Mouse mAb</h1>	E 2 2 2 0 3 2 5
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<b>Swiss-Prot No.:</b>	P42677
<b>Altername:</b>	MPS1
<b>Storage/Stability:</b>	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Immunogen:</b>	Purified recombinant fragment of MPS1 expressed in E. Coli.
<b>Purification:</b>	Ascitic fluid
<b>Reactivity:</b>	Human
<b>Other Names:</b>	RPS27
<b>Background:</b>	<p>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</p>

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	are multiple processed pseudogenes of this gene dispersed through the genome.
<b>Gene ID:</b>	6232
<b>Source:</b>	Mouse
<b>Antibody type:</b>	Monoclonal antibody
<b>Isotype:</b>	Mouse IgG1
<b>Molecular Weight:</b>	95kDa
<b>Preservative:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Recommended Dilutions:</b>	WB: N/A; IHC: 1/200 - 1/1000; ICC: N/A; FCM: N/A; Elisa: 1/10000
<b>Clone Number:</b>	4A12
	
	Immunofluorescence analysis of MPS1 in Hela cells (A), BCBL1 cells (B) and L121 cells (C) using MPS1 antibody(green). Blue: DRAQ5 fluorescent DNA dye.