

Mouse Monoclonal Antibody to MPS1

Catalogue Number	sAP-0291
Target Molecule	Name: MPS1 Aliases: RPS27 MW: 95kDa Entrez Gene ID: 6232
Description	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
Immunogen	Purified recombinant fragment of MPS1 expressed in E. Coli.
Reactive Species	Human
Clone	MM4A12;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Biochem Cell Biol. 1995 Nov-Dec;73(11-12):933-47. ; 2. Mol Biol Cell. 2003 Apr;14(4):1638-51. ; 3. Cell. 2008 Jan 25;132(2):233-46.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**