



MPS1 Mouse Monoclonal Antibody

E10-20351

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.

Catalog Number: E10-20351

Amount: 100µg/100µl

Clone Number: 4A12

Species: Mouse IgG1

MW: 95kDa

Aliases: RPS27

Entrez Gene: 6232

Immunogen: Purified recombinant fragment of MPS1 expressed in E. Coli.

Storage: Store at 4 °C for long term storage, store at 20 °C for short term storage.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: IHC, ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: IHC. 1/500 - 1/2000. ELISA. Propose dilution 1/10000.

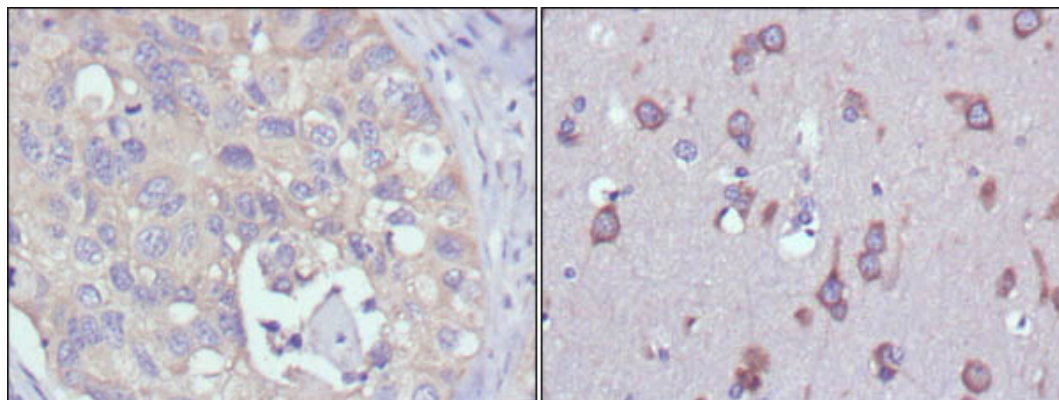


Figure 1. Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and human brain (right) tissues using MPS1 mouse mAb with DAB staining.