

# RPS3 monoclonal antibody, clone RP159-1

Catalog # MAB16040      Size 100 ug

## Specification

**Product Description** Mouse monoclonal antibody raised against recombinant human RPS3.

**Immunogen** Recombinant protein corresponding to human RPS3.

**Host** Mouse

**Reactivity** Human

**Form** Liquid

**Isotype** IgG1, kappa

**Recommend Usage** ELISA (1:500-5000)  
Western Blot (1:500-5000)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS, pH 7.4.

**Storage Instruction** For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — RPS3

**Entrez GeneID** [6188](#)

**Protein Accession#** [P23396](#)

Gene Name	RPS3
Gene Alias	FLJ26283, FLJ27450, MGC87870
Gene Description	ribosomal protein S3
Omim ID	<a href="#">600454</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. This gene encodes a ribosomal protein that is a component of the 40S subunit, where it forms part of the domain where translation is initiated. The protein belongs to the S3P family of ribosomal proteins. Studies of the mouse and rat proteins have demonstrated that the protein has an extraribosomal role as an endonuclease involved in the repair of UV-induced DNA damage. The protein appears to be located in both the cytoplasm and nucleus but not in the nucleolus. Higher levels of expression of this gene in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed. This gene is co-transcribed with the small nucleolar RNA genes U15A and U15B, which are located in its first and fifth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]</p>
Other Designations	40S ribosomal protein S3 IMR-90 ribosomal protein S3

## Pathway

- [Ribosome](#)