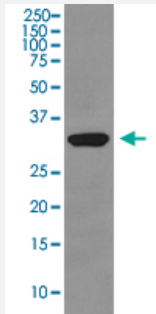


# RPS3 monoclonal antibody, clone DII-18

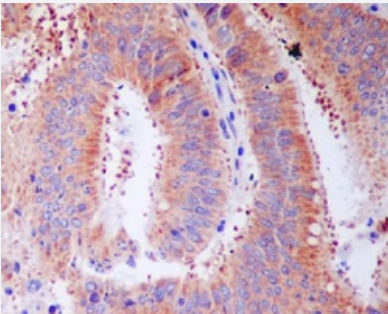
Catalog # MAB20683      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of HepG2 cell lysate with RPS3 monoclonal antibody, clone DII-18 (Cat # MAB20683).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon cancer with RPS3 monoclonal antibody, clone DII-18 (Cat # MAB20683).

## Specification

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit monoclonal antibody raised against synthetic peptide of human RPS3. |
| <b>Immunogen</b>            | A synthetic peptide corresponding to human RPS3.                           |
| <b>Host</b>                 | Rabbit                                                                     |
| <b>Theoretical MW (kDa)</b> | 26.688                                                                     |
| <b>Reactivity</b>           | Human                                                                      |
| <b>Form</b>                 | Liquid                                                                     |
| <b>Purification</b>         | Affinity purification                                                      |

|                     |                                                                                                                                                                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isotype             | IgG                                                                                                                                                                                                                                                           |
| Recommend Usage     | Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                                                                                                                                                               |
| Storage Instruction | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.                                                                         |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                                                        |

## Applications

- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunocytochemistry

- Immunofluorescence

## Gene Info — RPS3

|                    |                              |
|--------------------|------------------------------|
| Entrez GeneID      | <a href="#">6188</a>         |
| Protein Accession# | <a href="#">P23396</a>       |
| 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**

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]

**Other Designations**

40S ribosomal protein S3|MR-90 ribosomal protein S3

**Pathway**

- [Ribosome](#)