

## Rabbit RPS3 Monoclonal Antibody | anti-RPS3 antibody

RPS3 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                            |
|-----------|--------|-------------------|---------------------------------------------------------|
| AAA312142 | Rabbit | Human, Mouse, Rat | Immunohistochemistry, Immunocytochemistry, Western Blot |

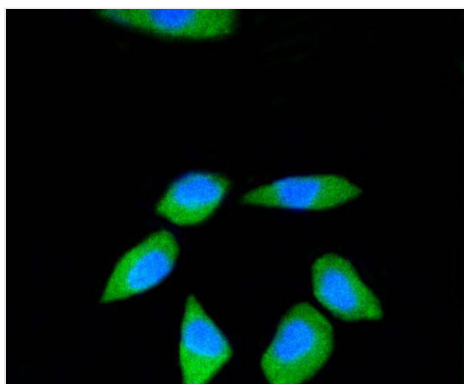
### PRODUCT SYNONYMS

RPS3; Monoclonal Antibody; RPS3 Antibody; 40S ribosomal protein S3 antibody; fb13d09 antibody; FLJ26283 antibody; FLJ27450 antibody; IMR 90 ribosomal protein S3 antibody; MGC56088 antibody; MGC87870 antibody; OTTHUMP00000229804 antibody; OTTHUMP00000229805 antibody; OTTHUMP00000229874 antibody; OTTHUMP00000229877 antibody; OTTHUMP00000229878 antibody; OTTHUMP00000229879 antibody; OTTHUMP00000229880 antibody; OTTHUMP00000229882 antibody; OTTHUMP00000229883 antibody; OTTHUMP00000229886 antibody; Ribosomal protein S3 antibody; rps3 antibody; RS3\_HUMAN antibody; S3 antibody; wu:fb13d09 antibody; zgc:56088 antibody; anti-RPS3 antibody

### PRODUCT SPECIFICATIONS

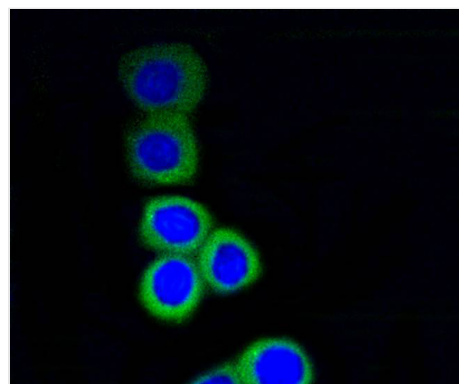
|                                                |                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                   |
| Reactivity                                     | Human, Mouse, Rat                                                        |
| Clonality                                      | Monoclonal                                                               |
| Clone Number                                   | SA46-08                                                                  |
| Purity/Purification                            | ProA affinity purified                                                   |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.   |
| Applicable Applications for anti-RPS3 antibody | IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot) |
| Antibody Type                                  | Recombinant Antibody                                                     |
| Immunogen                                      | Recombinant protein                                                      |
| Conjugation                                    | Unconjugated                                                             |
| Preparation and Storage                        | Store at -20 degree C.                                                   |

### IMAGES



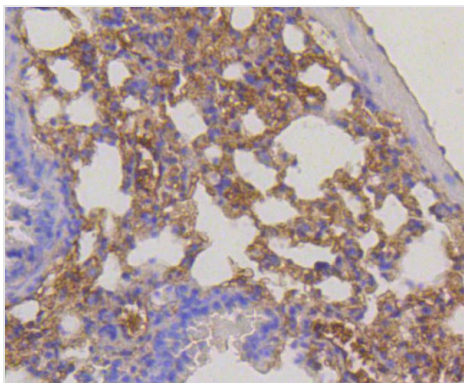
#### ICC (Immunocytochemistry)

ICC staining RPS3 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



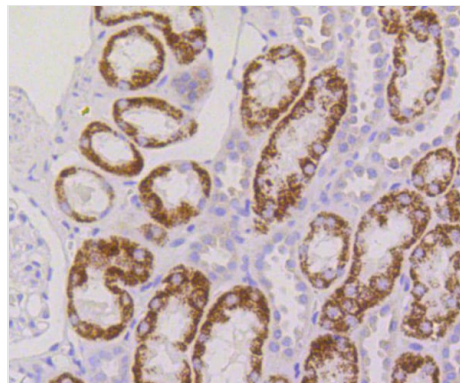
#### ICC (Immunocytochemistry)

ICC staining RPS3 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



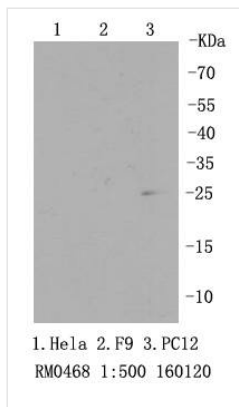
#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-RPS3 antibody. Counter stained with hematoxylin.



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-RPS3 antibody. Counter stained with hematoxylin.



#### WB (Western Blot)

Western blot analysis of RPS3 on PC12 cell lysates using anti-RPS3 antibody at 1/500 dilution.

## ADDITIONAL INFORMATION

### Related Product Information for anti-RPS3 antibody

Ribosomal subunits are synthesized in the nucleus, and mature 40S and 60S subunits are exported stoichiometrically into the cytoplasm. Both 40S and 60S subunits are composed of four RNA species and approximately 80 structurally distinct proteins. Mitochondrial ribosomes consist of a small 28S subunit and a large 39S subunit. Ribosomal proteins have the ability to pass through the nuclear envelope in the native state, making them the largest of the structures accommodated by the nuclear pore complexes. The nuclear export of ribosomal subunits is a unidirectional, saturable and energy-dependent process. Ribosomal Protein S3 a member of the 40S subunit and plays a role in translation and ribosome maturation. Specifically, Ribosomal Protein S3 mediates the formation of the mRNA binding site 3 of the codon in the decoding site. In addition, Ribosomal Protein S3 is involved in DNA damage recognition as shown by its affinity for abasic sites and 7, 8-dihydro-8-oxoguanine residues and its interaction with human base excision repair (BER) proteins OGG1 and Ref-1.

### Product Categories/Family for anti-RPS3 antibody

[Total protein Ab](#)

## NCBI AND UNIPROT INFORMATION

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                 | 15718687                                                                                          |
| NCBI GeneID               | 6188                                                                                              |
| NCBI Accession #          | <a href="#">NP_000996.2</a>                                                                       |
| NCBI GenBank Nucleotide # | <a href="#">NM_001005.4</a>                                                                       |
| UniProt Accession #       | <a href="#">P23396</a> ; <a href="#">Q498B5</a> ; <a href="#">Q8NI95</a> ; <a href="#">B2R7N5</a> |
| Molecular Weight          | 26,688 Da                                                                                         |

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI Official Full Name          | 40S ribosomal protein S3 isoform 1                    |
| NCBI Official Synonym Full Names | ribosomal protein S3                                  |
| NCBI Official Symbol             | RPS3                                                  |
| NCBI Official Synonym Symbols    | S3                                                    |
| NCBI Protein Information         | 40S ribosomal protein S3; IMR-90 ribosomal protein S3 |
| UniProt Protein Name             | 40S ribosomal protein S3                              |
| UniProt Gene Name                | <b>RPS3</b>                                           |
| UniProt Entry Name               | RS3_HUMAN                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/rps3-antibody-clone-sa46-08-immunohistochemistry-immunocytochemistry-western-blot-elisa/312142>