

## Mouse RPS6 Monoclonal Antibody | anti-RPS6 antibody

RPS6 Antibody (N-term)

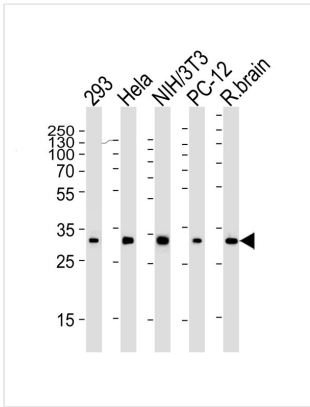
| CATALOG # | HOST  | REACTIVITY                                       | APPLICATIONS                                                                                    |
|-----------|-------|--------------------------------------------------|-------------------------------------------------------------------------------------------------|
| AAA28643  | Mouse | Human, rat (Predicted Reactivity: Monkey, Mouse) | ELISA, Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay, Immunofluorescence |

### PRODUCT SYNONYMS

RPS6; Monoclonal Antibody; RPS6 Antibody (N-term); 40S ribosomal protein S6; Phosphoprotein NP33; anti-RPS6 antibody

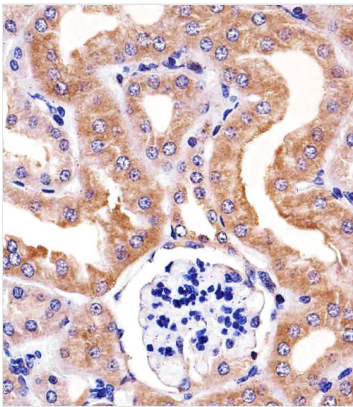
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                               |
| Reactivity                                     | Human, rat (Predicted Reactivity: Monkey, Mouse)                                                                                                                    |
| Clonality                                      | Monoclonal                                                                                                                                                          |
| Isotype                                        | IgG1                                                                                                                                                                |
| Clone Number                                   | 981CT2.1.1                                                                                                                                                          |
| Specificity                                    | This RPS6 antibody is generated from a mouse immunized with RPS6 recombinant protein.                                                                               |
| Purity/Purification                            | Purified Mouse Monoclonal Antibody (Mab)                                                                                                                            |
| Form/Format                                    | Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                             |
| Sequence Length                                | 249                                                                                                                                                                 |
| Applicable Applications for anti-RPS6 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)                                                            |
| Application Notes                              | FC~~1:25<br>IF~~1:25<br>IHC~~1:25<br>WB~~1:2000                                                                                                                     |
| Antigen Type                                   | Recombinant Protein                                                                                                                                                 |
| Crown Antibody                                 | Yes                                                                                                                                                                 |
| Antigen Source                                 | HUMAN                                                                                                                                                               |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.              |



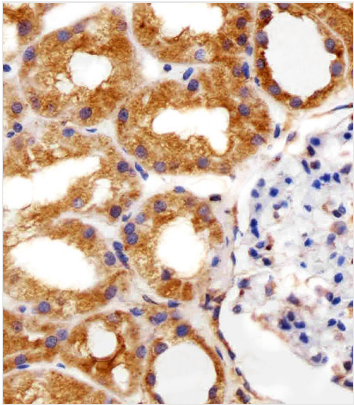
**WB (Western Blot)**

Western blot analysis of lysates from 293, HeLa, mouse NIH/3T3, rat PC-12 cell line and rat brain tissue lysate(from left to right), using RPS6 Antibody (N-term). AAA28643 was diluted at 1:2000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



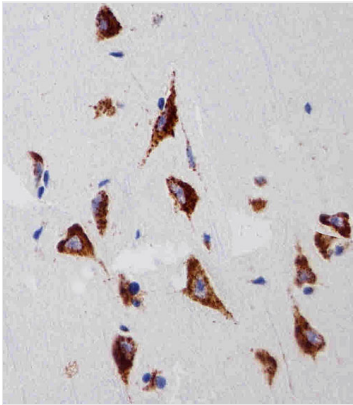
**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded M. kidney section using RPS6 Antibody (N-term). AAA28643 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



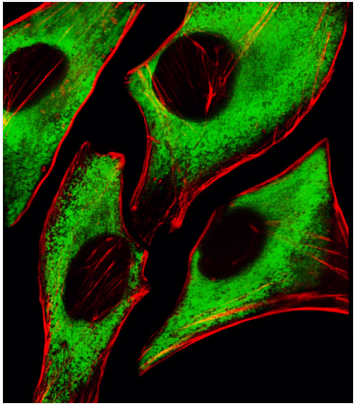
**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded H. kidney section using RPS6 Antibody (N-term). AAA28643 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



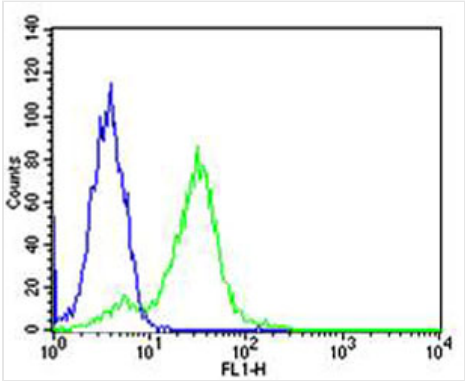
**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded H. brain section using RPS6 Antibody (N-term). AAA28643 was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



**IF (Immunofluorescence)**

Fluorescent image of HeLa cells stained with RPS6 Antibody (N-term). AAA28643 was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



**FCM (Flow Cytometry)**

Flow cytometric analysis of HeLa cells using RPS6 Antibody (N-term)(green) compared to an isotype control of mouse IgG1(blue). AAA28643 was diluted at 1:25 dilution. An Alexa Fluor 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

**ADDITIONAL INFORMATION**

**Related Product Information for anti-RPS6 antibody**

May play an important role in controlling cell growth and proliferation through the selective translation of particular classes of mRNA.

|                                                  |                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-RPS6 antibody | Crown Antibodies; Cell Biology                                                                                                                                                                                                                                          |
| References                                       | Lott J.B.,et al.Gene 65:31-39(1988).<br>Heinze H.,et al.J. Biol. Chem. 263:4139-4144(1988).<br>Antoine M.,et al.Hum. Mol. Genet. 1:565-570(1992).<br>Pata I.,et al.Gene 121:387-392(1992).<br>Shichijo S.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DBJ databases. |

## NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 17158044                               |
| NCBI GeneID                      | 6194                                   |
| NCBI Accession #                 | NP_001001.2                            |
| NCBI GenBank Nucleotide #        | NM_001010.2                            |
| UniProt Accession #              | P62753; P08227; P10660; Q4VBY7; Q8N6Z7 |
| Molecular Weight                 | 28681                                  |
| NCBI Official Full Name          | 40S ribosomal protein S6               |
| NCBI Official Synonym Full Names | ribosomal protein S6                   |
| NCBI Official Symbol             | RPS6                                   |
| NCBI Official Synonym Symbols    | S6                                     |
| NCBI Protein Information         | 40S ribosomal protein S6               |
| UniProt Protein Name             | 40S ribosomal protein S6               |
| UniProt Gene Name                | RPS6                                   |
| UniProt Entry Name               | RS6_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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/rps6-antibody-clone-981ct2-1-1-immunohistochemistry-western-blot-flow-cytometry-immunofluorescence-elisa/28643>